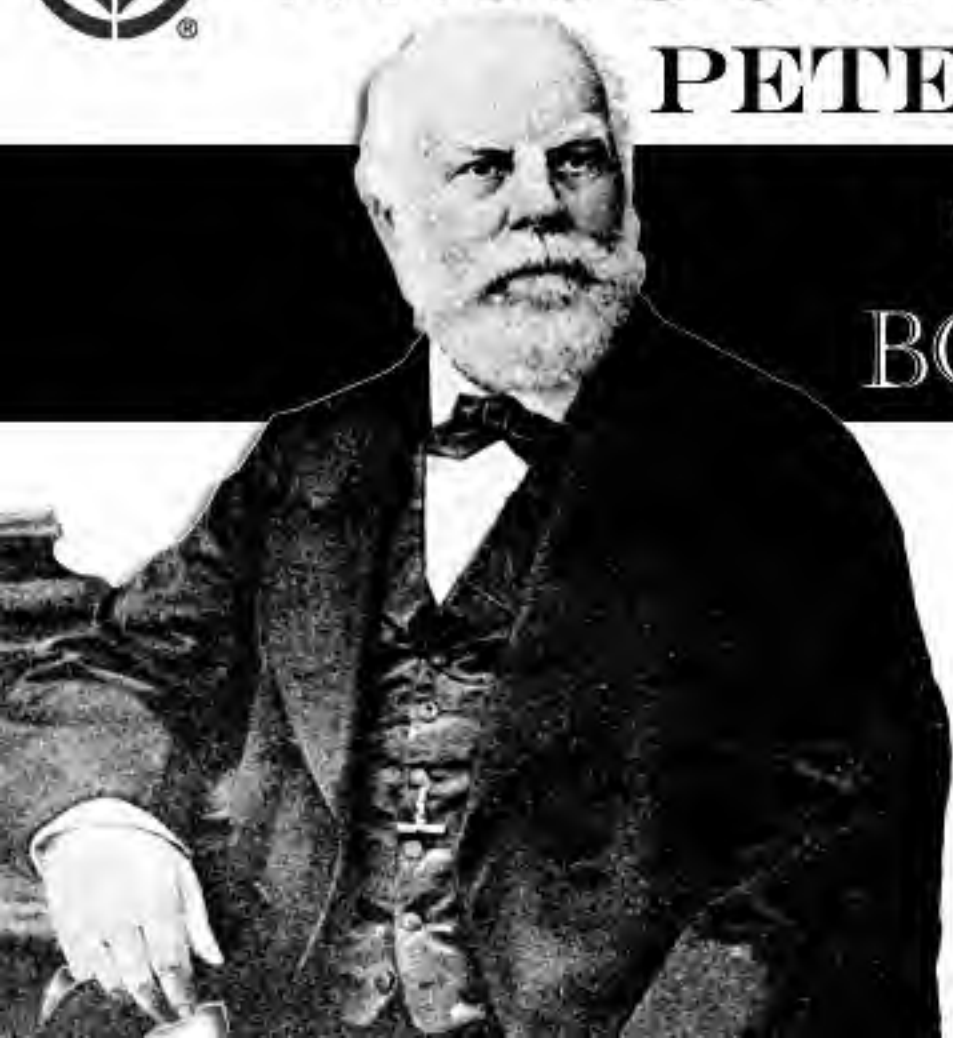




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BOTANICAL NOTEBOOKS

Pagination Note:

Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Corvus

July 9 1870

Fendler, Venezuela 466

semina immatura



full grown?

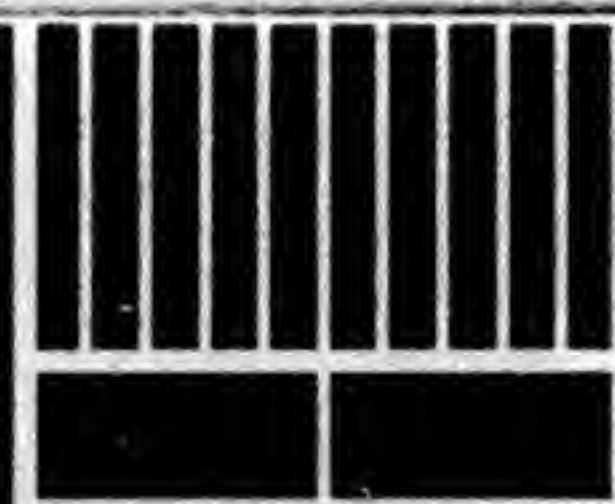


2



very delicate
reticulatus
of testa x60

1679



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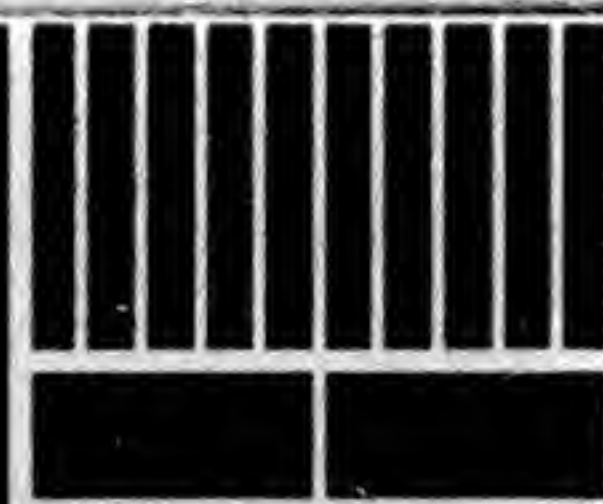
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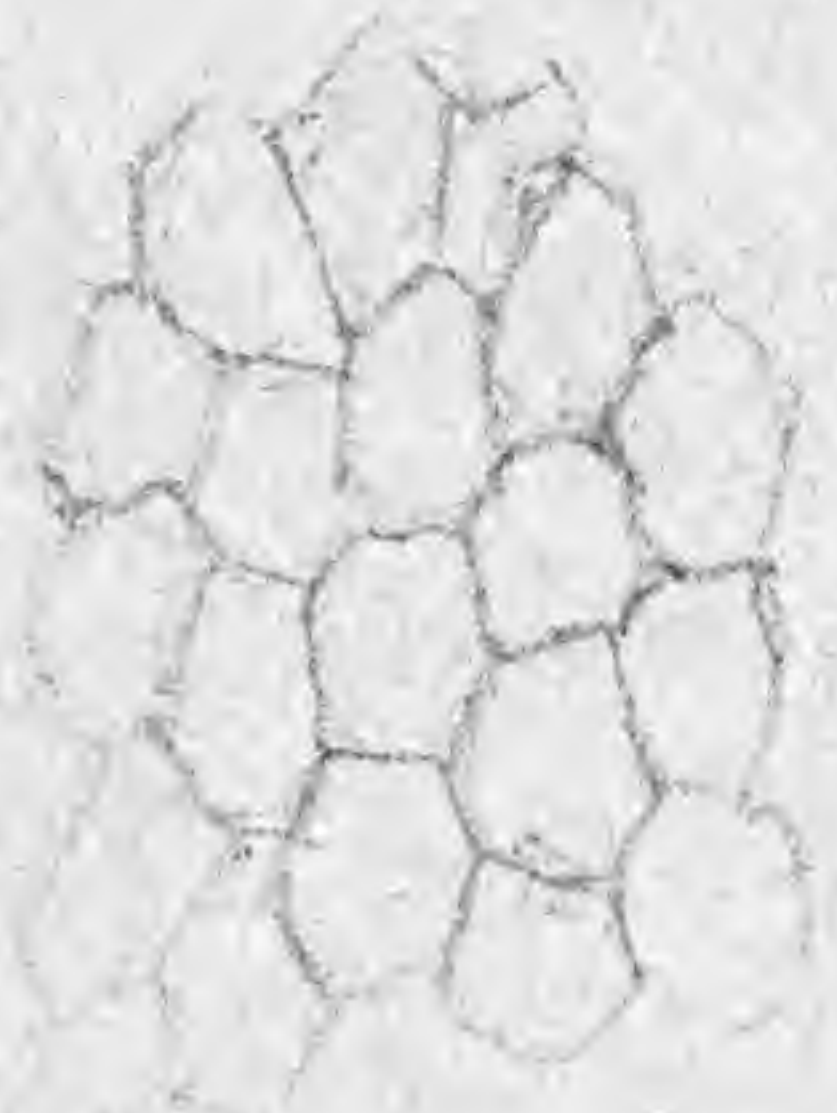
Fendler Viguiera No 160
Cereus

July 8 1870

seed very unripe, young fruit very spiny

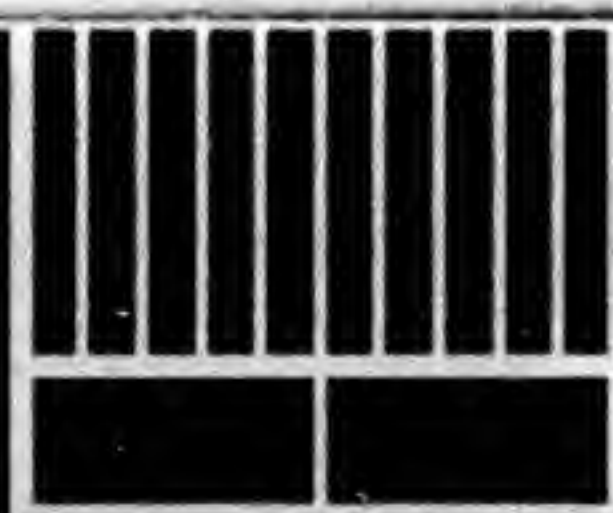


seed black (shining?)



Reti-
culation
of testa x60

1680



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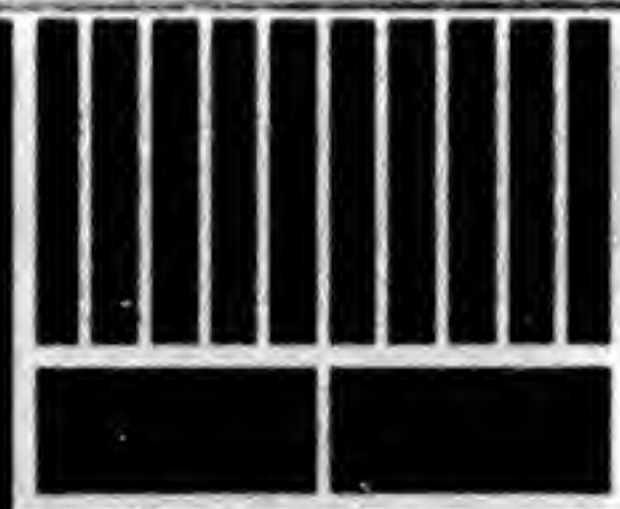


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462

Cecropia

1

June 23 1870

Colombian,

Caracas,

Feb. Mar 1856

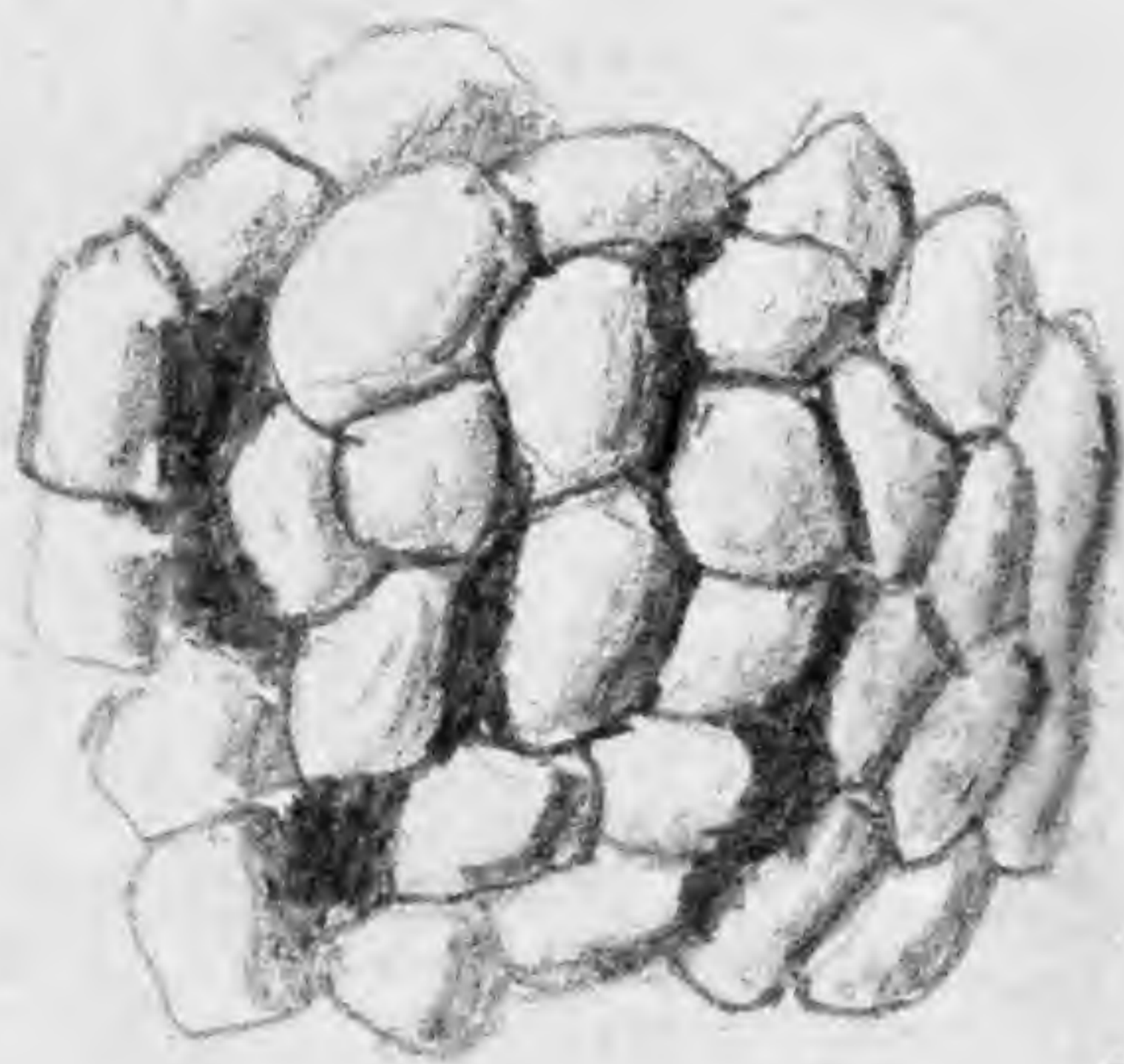
spring fruit

3000 feet high

x8

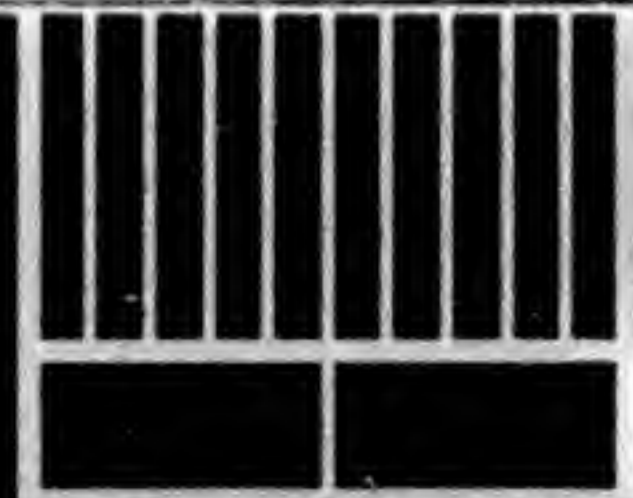


seed hard, crustaceous



surface x60
 irregularly
 reticulate &
 tuberculate
 with irregular
 pits here and there

1681



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Successors to

Enno Sander & Co.,

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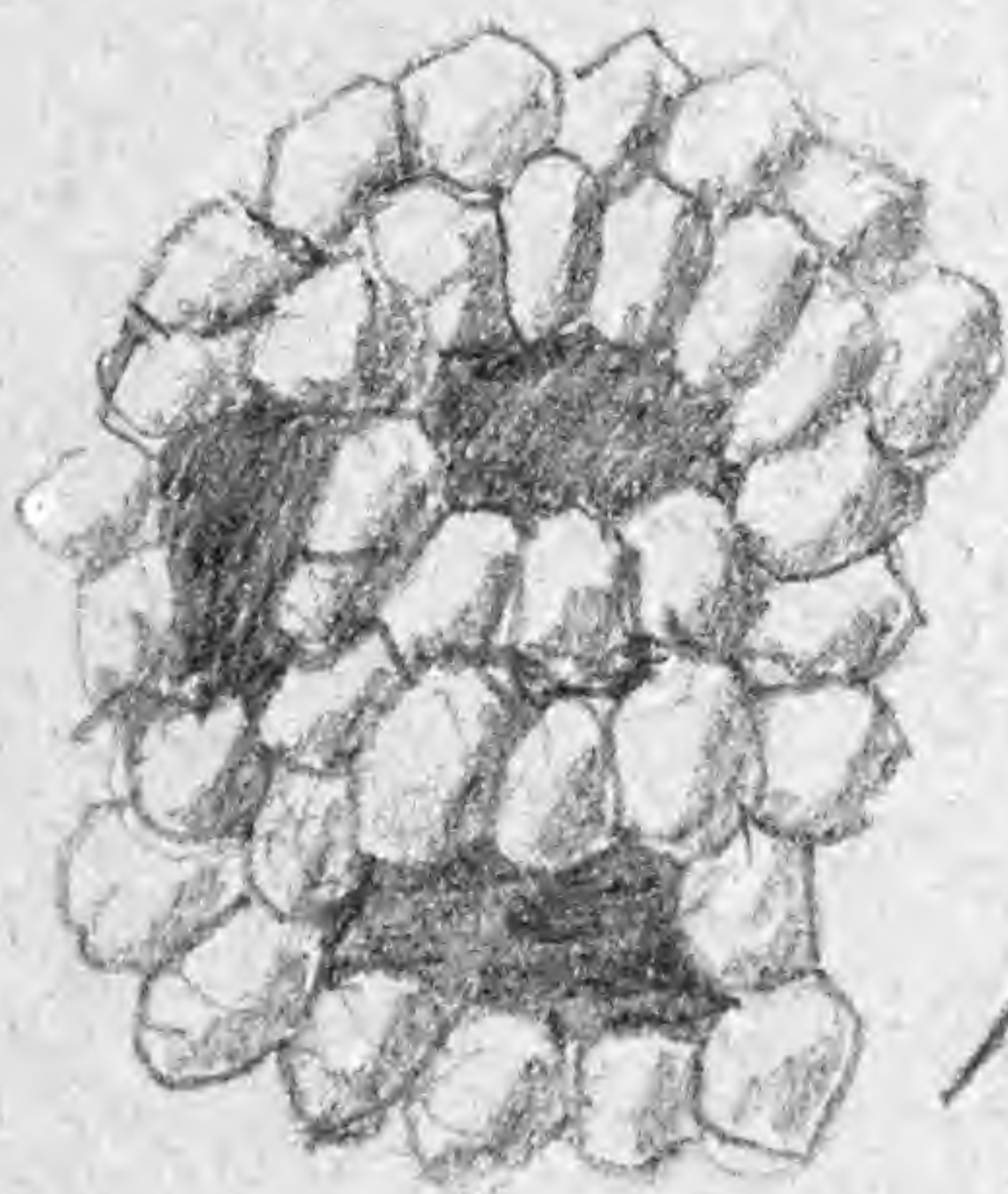
462. *p.* A. Fendler Venezuela

June 25 1870

betw. Caracas & Lagunayra
columnar, 15'-20' high.

16 Aug. 1855 (same in Mus Kew
see figure 18/3 70
fruit with about 50 very spring anoles

x 8



surface x 60
tuberculate
with irregular
pits between
tubercles

1682



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ad No 463 4 Fendler, Venezuela

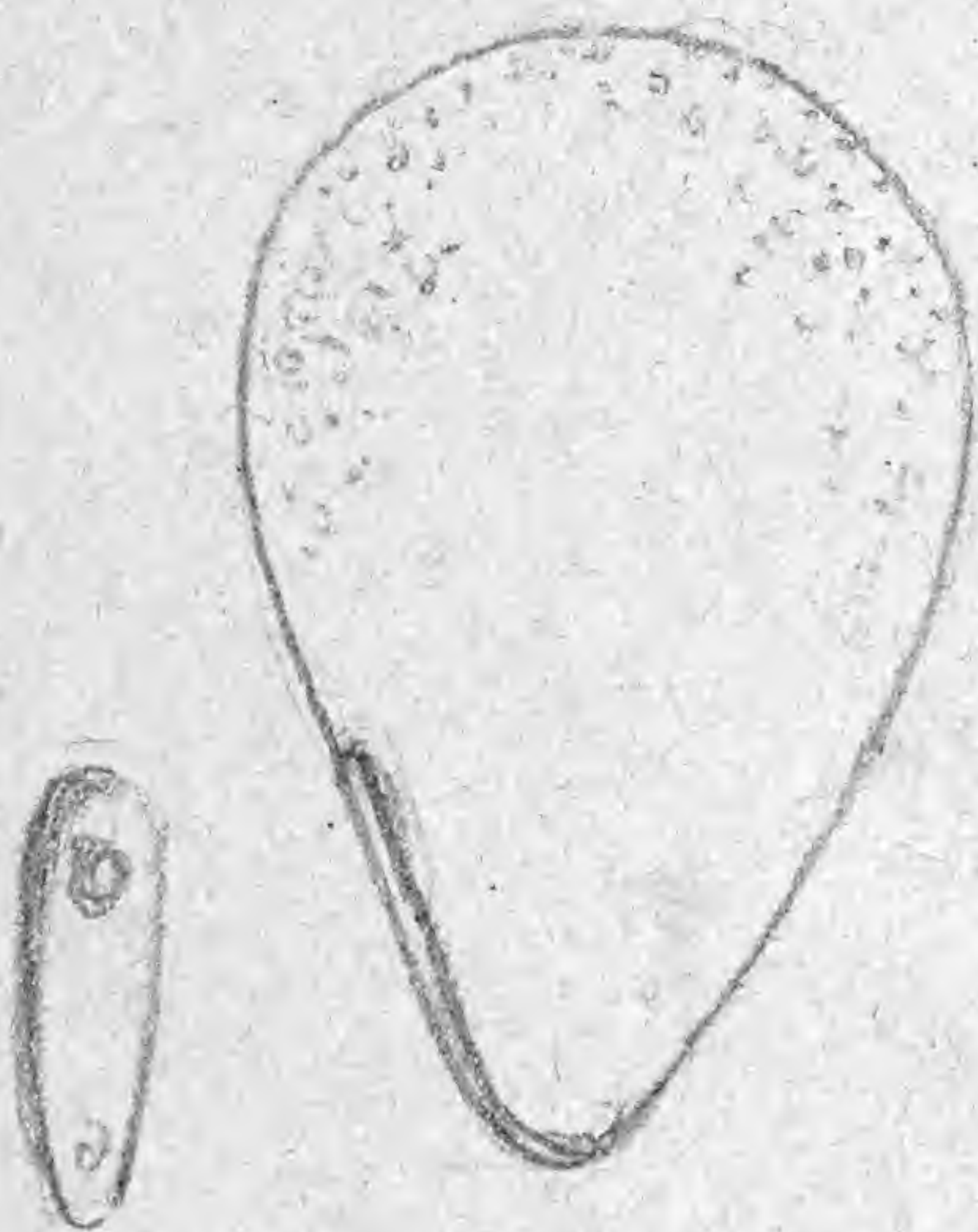
June 25 1870

between Turmero & Maracai, 1800'

21 Nov 1856

x8

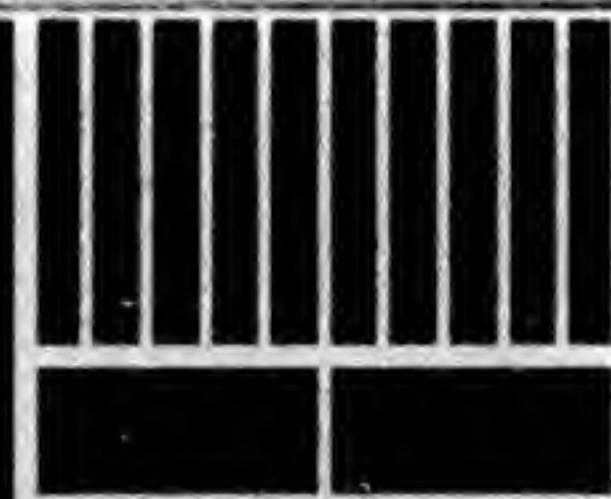
a single, not quite ripe, seed seen



1683



surface x60



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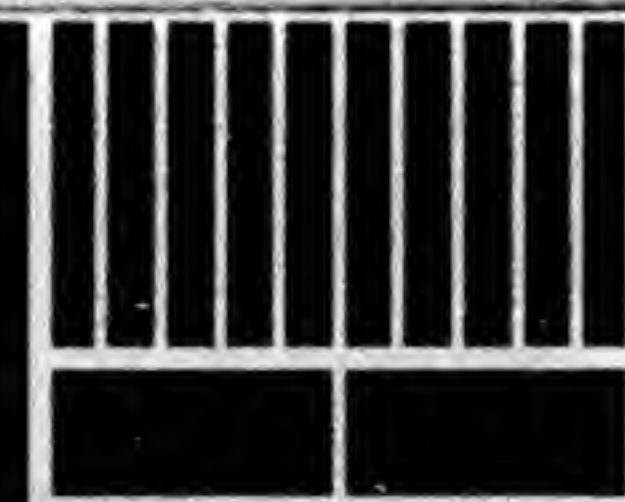
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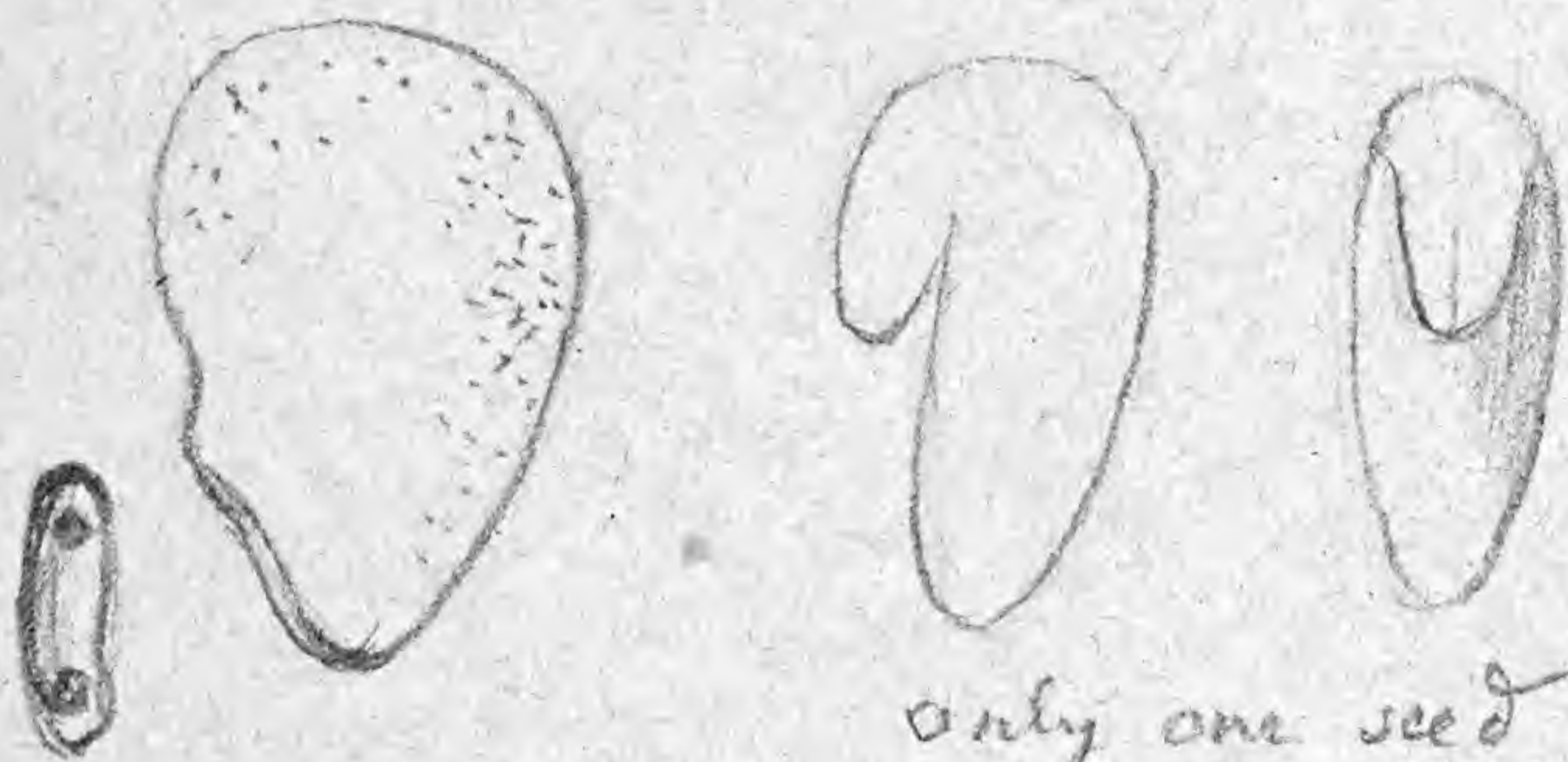
467 Fendler, Venezuela

June 25 1870

Colonnar Cereus
between Caracas & La Guayra

16 Aug. 1858

x 8



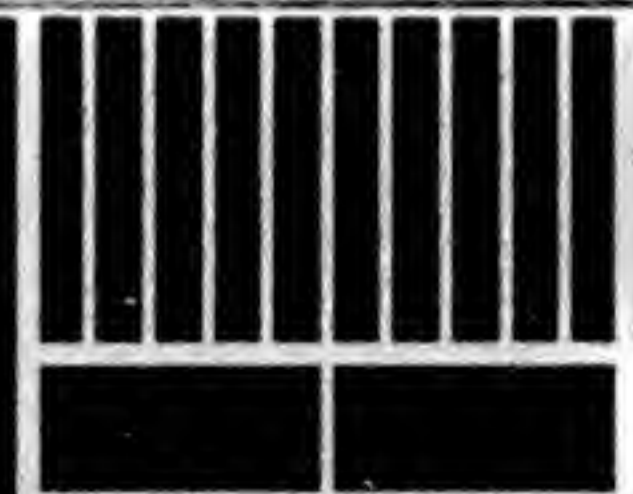
only one seed
examined:
cotyled parallel



surface x60
irregularly

seed black shining
testa coriaceous

1684



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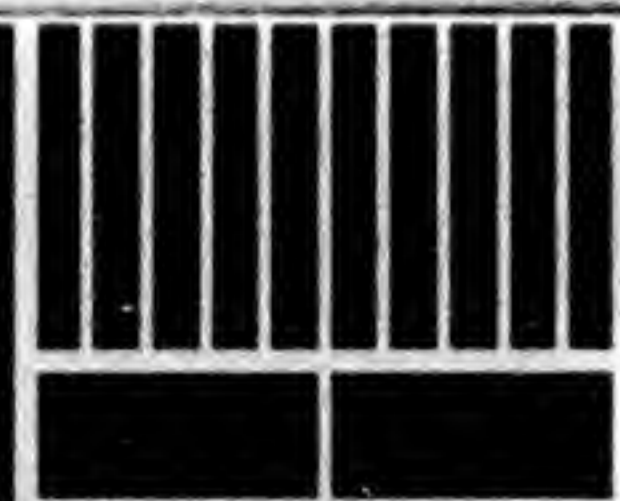


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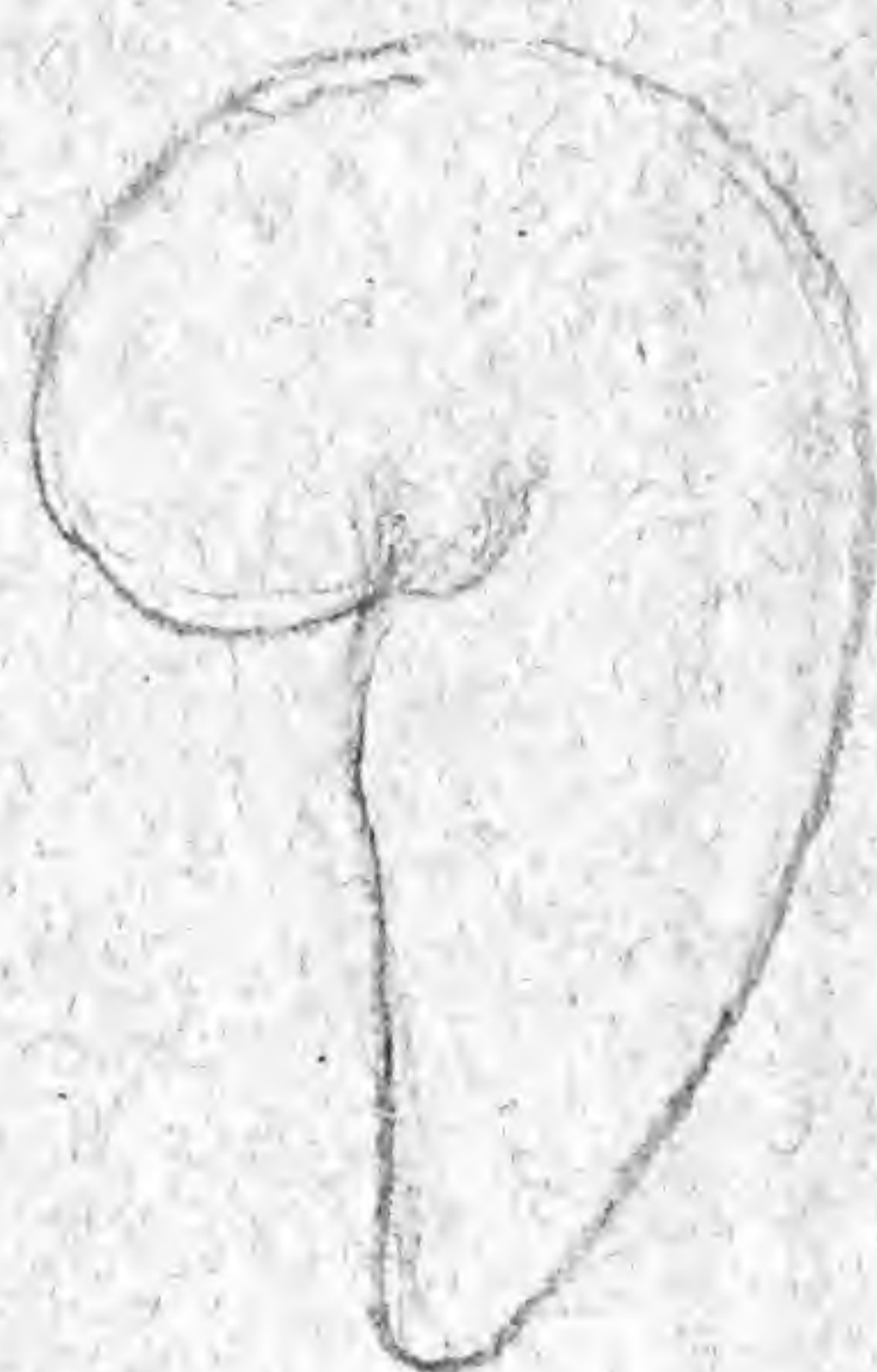
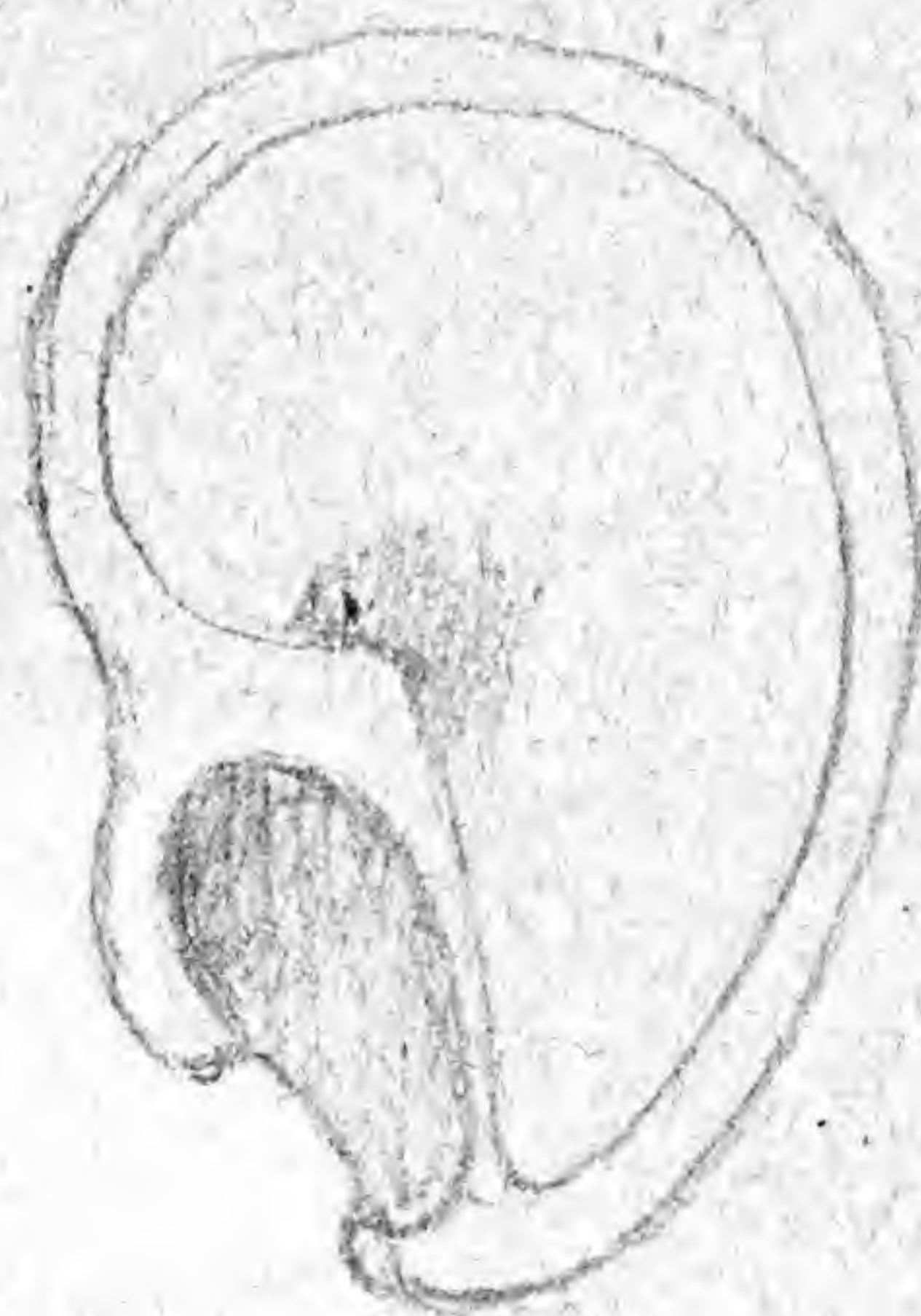
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Cereus marginatus

July 4 1870

Tehuacan Dr Weber 1865

x 5



Intern. (umbilicus) deep concavity
very deep

Seed somewhat irregularly compressed, faceted

only embryo examined
Cotyledons parallel
acumbent



surface of seed

x 60

minutely
shining tuberculate

1685



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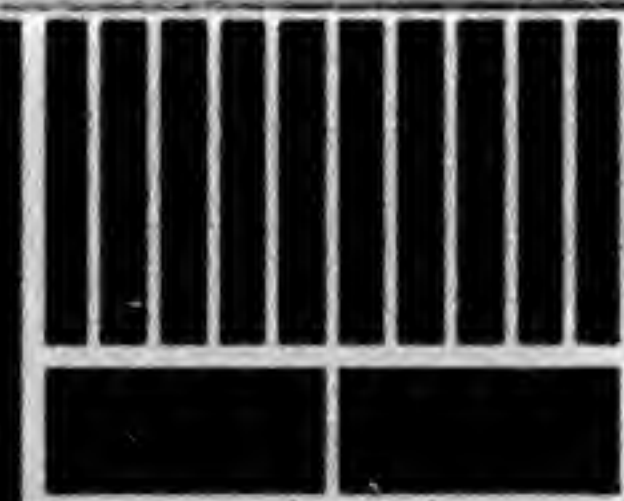


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in 4to, and is sold at 60 francs; Chamerot et Lauwereyns, Paris.

The labors of the International Sanitary Congress of Constantinople (1865) have been arranged by FAUVEL in a work on the etiology, prophylaxy, etc., of Cholera, and issued by J. B. Baillière et fils. HALLIER has published his "Parasitological Researches" in measles, typhoid fever, small-pox, vaccinia, cholera nostras, etc., Leipzig.

Surgery.—Of general works, we note Lectures upon Practical Pathology and Surgery, by H. LEE, in the press of Messrs. Churchill, Lond.;—GANT, The Practice of Surgery, Clinical, Medical, and Operative, being a systematic treatise on surgical injuries and diseases, in preparation by the same firm;—SPENCE (Prof. Surg., Univ. Edinb.), Lectures on Surgery, 1 vol., 8vo., nearly ready, A. & C. Black, Edinb. We may also mention here, because so little known, though issued in 1867: WALTER, Conservative Surgery in cases of Severe Traumatic Injuries of the Limbs, Pittsburgh. Lindsay & Blakiston have in preparation a work on Surgical Diagnosis, by Dr. ADDINEL HEWSON. The veteran Professor VICTOR V. BRUNS, of Tübingen, is publishing a new general textbook on surgical instruments and dressings, and operative surgery, the first half of which (288 pp., 8vo.) has appeared under the title: *Chirurgische Heilmittel*.

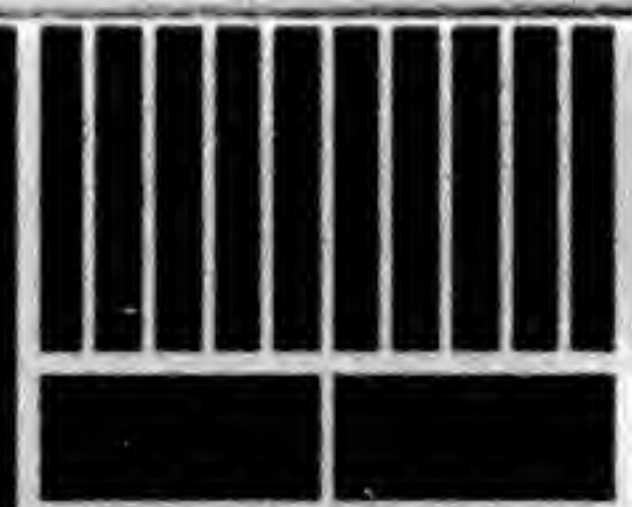
Messrs. Churchill, Lond., announce a number of surgical monographs: BRAIDWOOD, on Pyæmia (the Astley Cooper Prize Essay for 1868), nearly ready;—RAMSAY and COLES, The Mechanical Treatment of Deformities of the Mouth, has been issued;—HEATH, Injuries and Diseases of the

Cereus sp.
Weber, Mexico

Margarita
Setoys
Baboso
Candelabro

572-5

1685A



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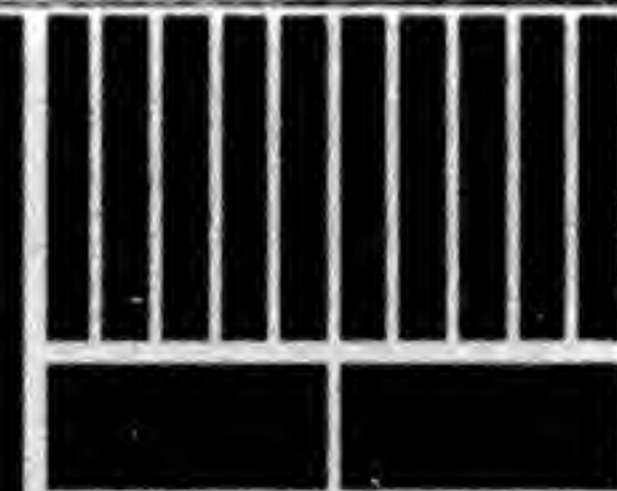
...rin et de son traitement par les injections intra-utérines
has also appeared in the English language.

Materia Medica and Therapeutics.—We read the following among the announcements of Messrs. Churchill: A Dictionary of *Materia Medica and Therapeutics*, by ADOLPHE WAHLTUCH, M.D., nearly ready. The same firm has given us a memoir on the Mercurial Vapor Bath, by PARKER. In Paris, Germer Baillière, appeared: FUMOUE, *De la Cantharide officinale*, 56 pp. 4to., with 5 plates. We also note: FOSTER (Prof. Med. Queen's Coll., Birmingham) Ether and Etherized Cod Liver Oil in the Treatment of Pulmonary Consumption.

Carbolic Acid.—Dr. H., Glaze City, Mo., requests us to inform him whether, in the frequent allusions to carbolic acid by recent writers, the crystals or "the solution" is meant.

The circumstance that authors have usually failed to speak of the preparation they use is, in the absence of an official formula, a serious matter. We have always been using the crystals, *i. e.*, the pure substance, and in the same proportions to the vehicle or solvent as authors have directed. The crude liquid known as impure carbolic acid is not to be recommended for internal administration, or even surgical dressings, etc.,

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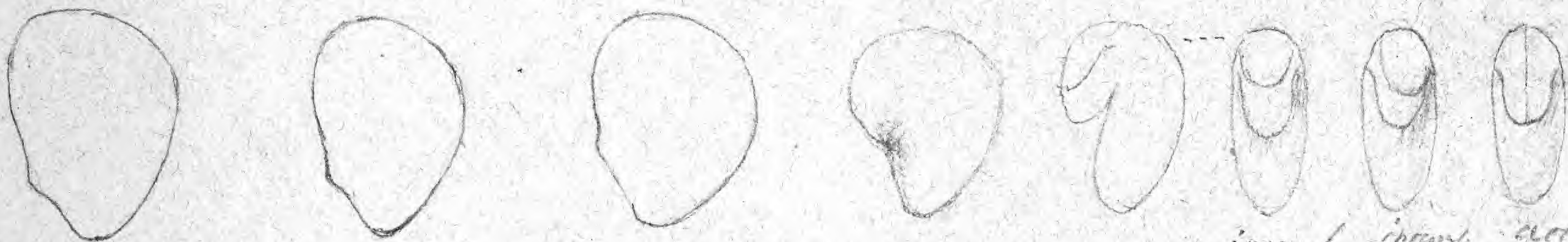
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Cereus Teteyo Weber in Cat.

July 6. 1870

Mexico 1866

rec^d Paris 1869

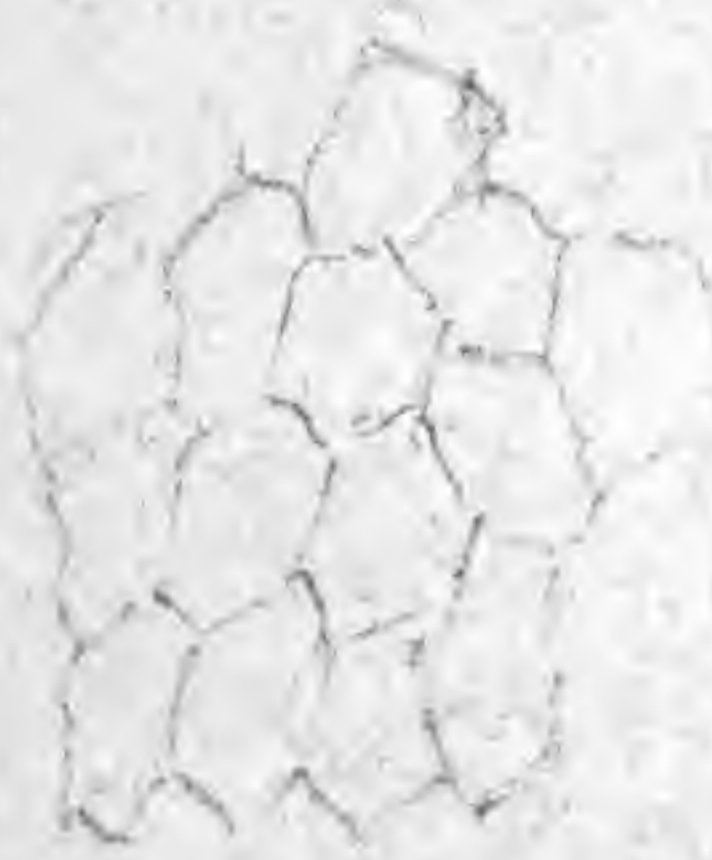


Chalaz. larger than hilum

incumb. incumb. decumbent.
oblique

3 embryos examined

seed black; very shining, testa thin



x60

surface very
finely reticulated
at this power

1686



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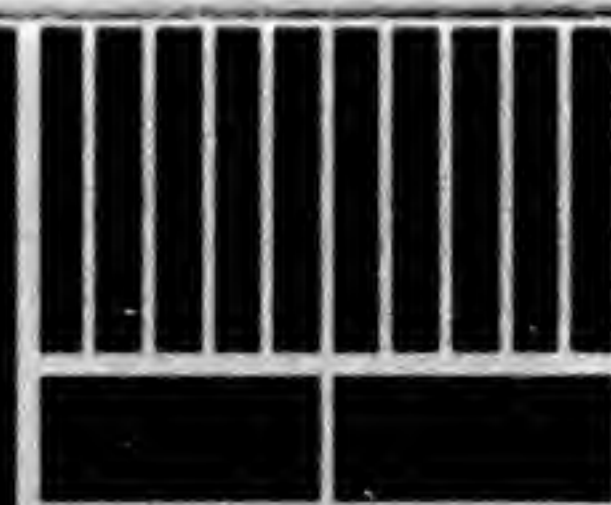


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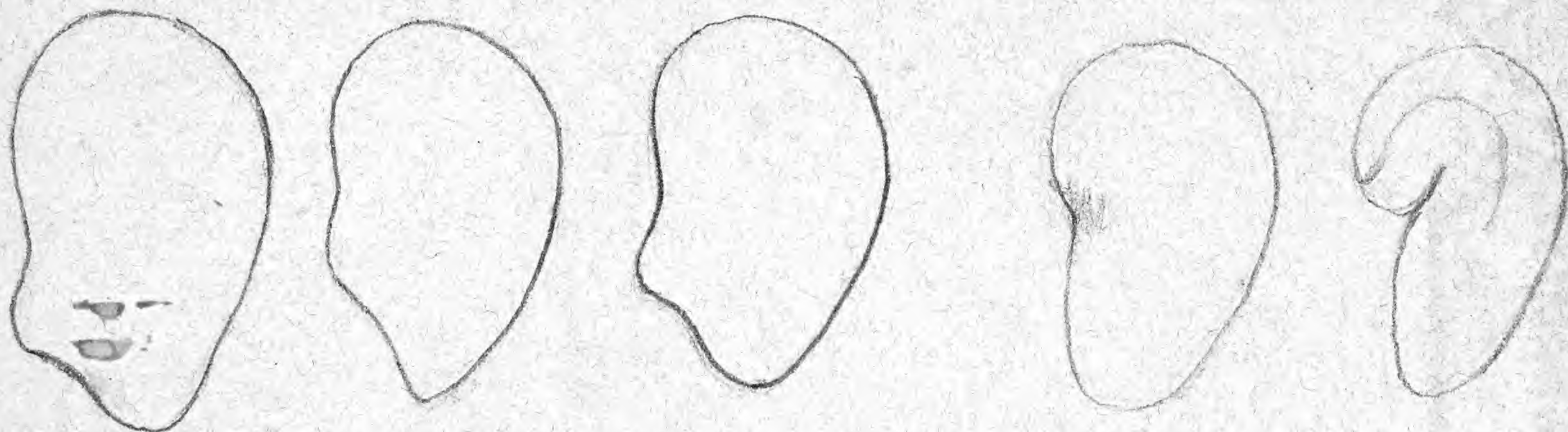
Cereus Candelabrum A. Weber

Aug 29

1870

x 8

Ajalpam Jan 1864



surface
of seed
x 60

smooth, shining
delicately reticulate
and punctulate

1687



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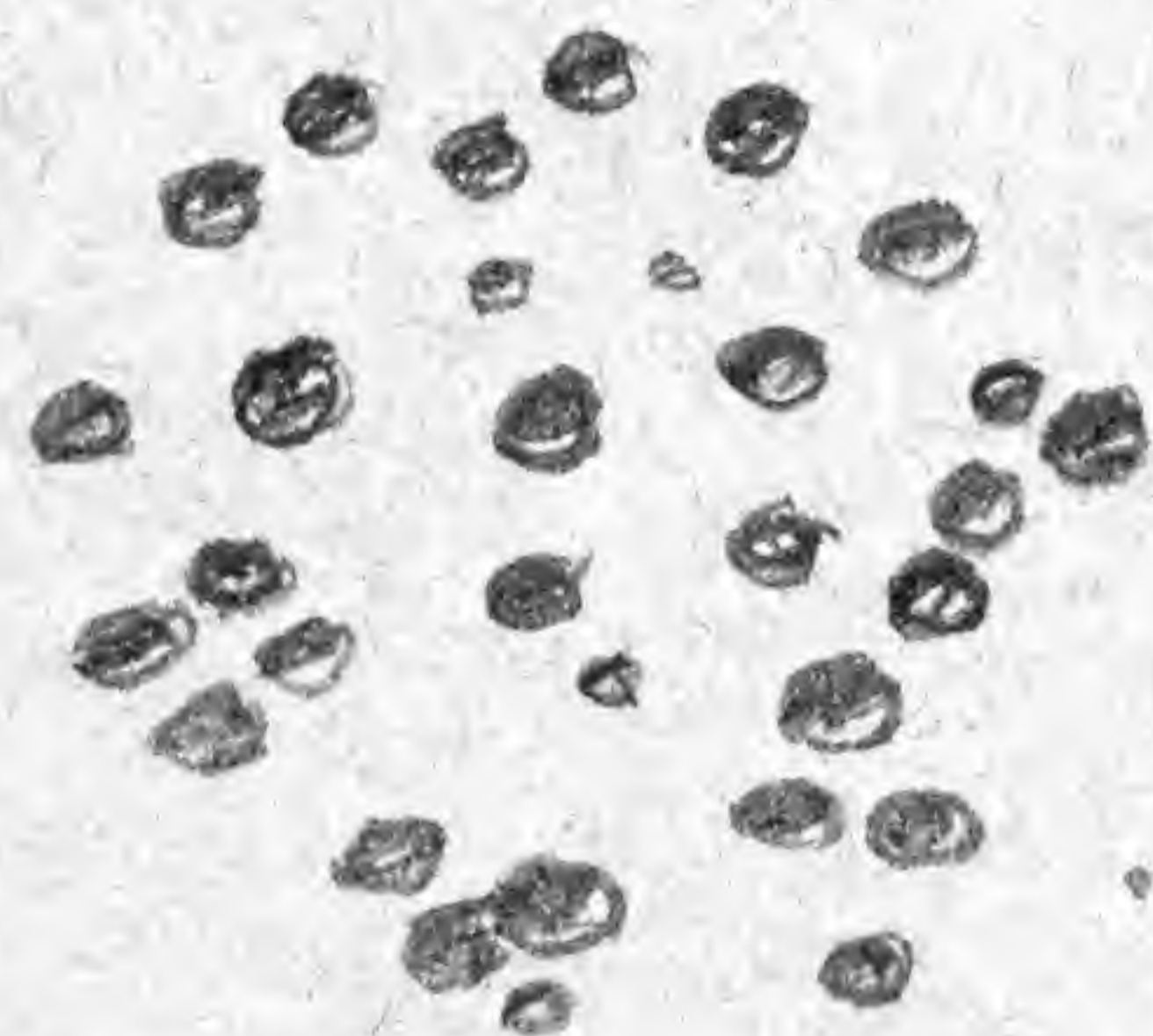
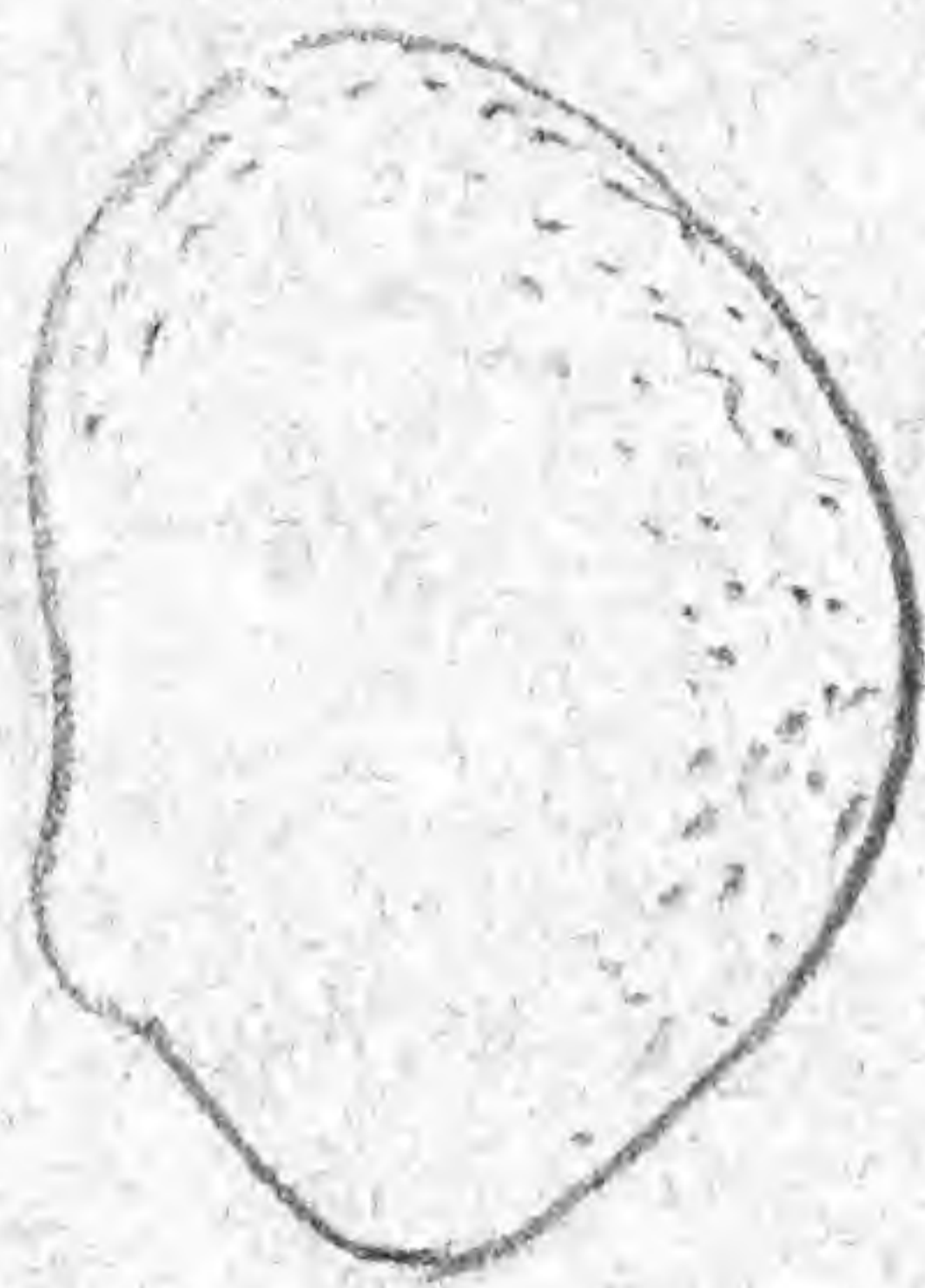
Cereus Baboso Weber

Aug 29 1870

Zapotitlan, April 1865

Dr A Weber leg

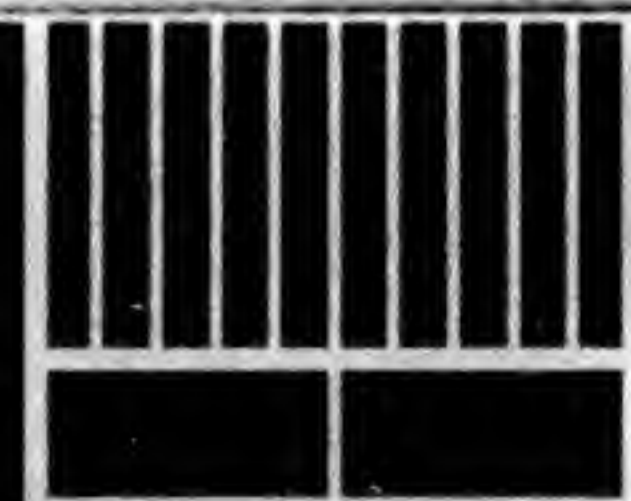
x 8



surface x 60
shining, black
irregularly pitted

4 embryos examined
all oblique, more
incumbent than
acumbent

1688



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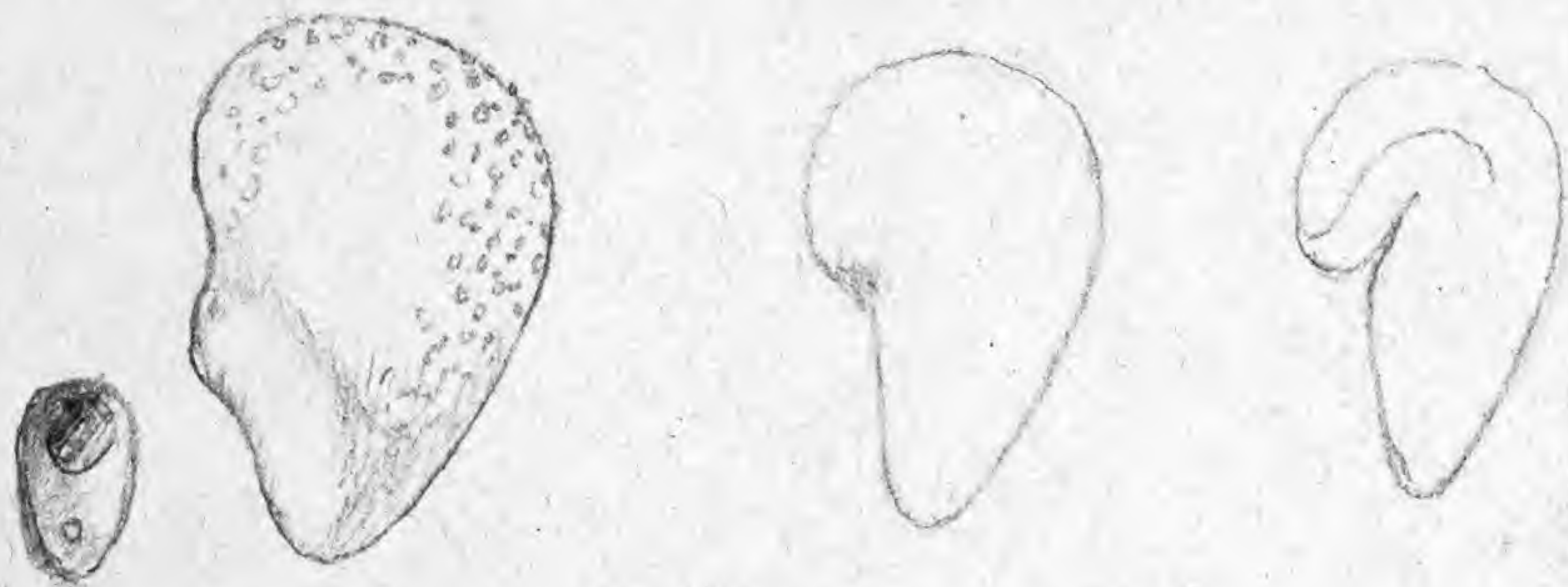
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Cereus quercetarensis Weber Cat. July 5 1870

Quercetarens & Weber Nov 1866

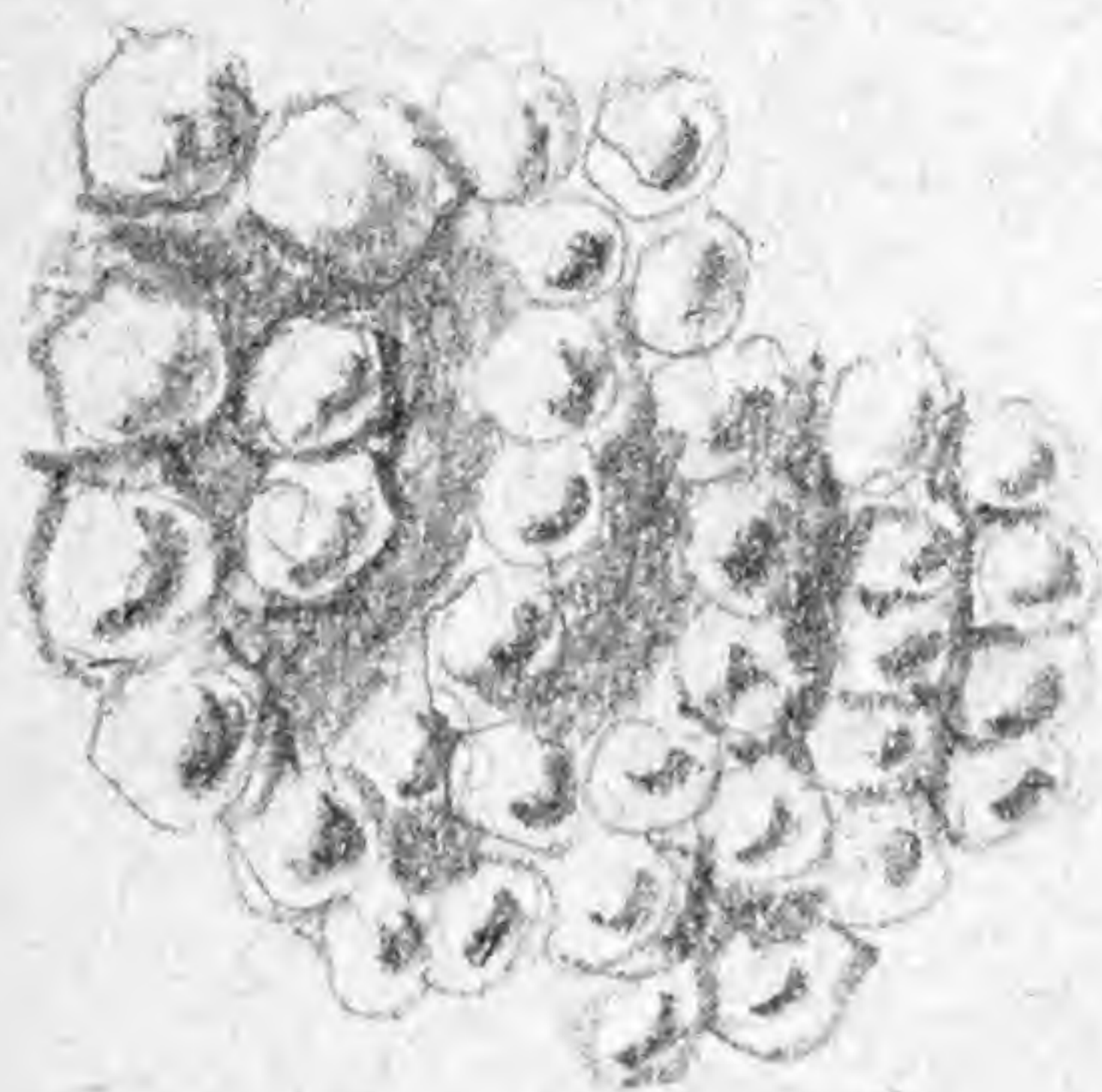
Spring fruit

belongs to *Columbianus glaberrimus* Silvest.
fide Weber



Cultivated along road sides
6-8 meters high, much branched
flower not spiny, but fruit very
much so

Testa crustaceous but not thick



surface x 60
pretty regularly tuberculate
with some irregular pits or
grooves between the rows of
tubercles

1689



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But, p.
said so much, and for which I will lose no opportunity of making amends,
I am very happy to draw the attention of Dr. WATTERS and your readers
to the third person to whom reference is made in my volume, as having
published, before me, the doctrine of the dependence of life on decom-
position. I will quote a few of his words: "Death is essentially a part
of life. It is the transit of the organizing influence from the organizing
atom which causes that atom's death. It is the transit of the same organ-
izing influence to that atom's type which gives to that type its life. But
it is during, and alone during such transit, that conjointly the two atoms
live. . . . Thus are two opposite processes, of necessity, concerned in
producing the phenomena of actual life, . . . and thus, too, it becomes
apparent how death is a part of life." Much more to the same effect
might be quoted, but I doubt not that these sentences are enough, and
that behind the peculiar phraseology (connected with other ideas which
I need not here detail) the identity of thought will be recognized at once.

But these words were published in 1848, and their author is Dr. FREKE,
of Dublin.*

It gives me the greatest pleasure, in which no one, I am sure, will
more heartily share than Dr. WATTERS (who in the world of thought is
wealthy enough to be generous) to do this act of justice to a discoverer
to whom we owe more than can yet be known, but whose only reward

* FREKE on Organization, Dublin, 1848.

(Petchaya)

edulis

Guerritaensis

Foronayae

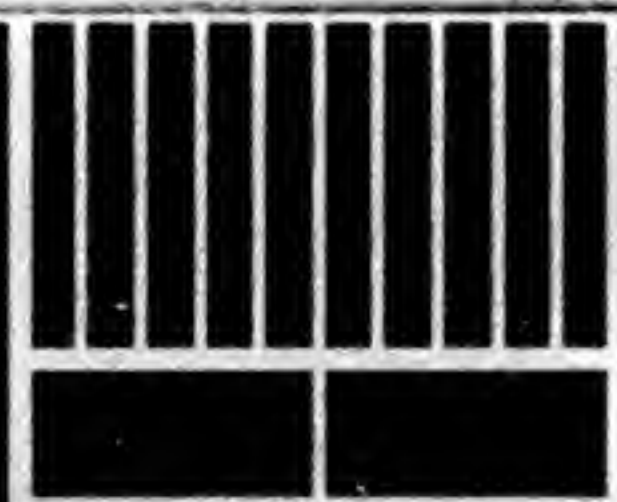
named sp

pinosus?

for Weber

576-580

16894



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The season of literary productivity has again set in, and publishers' announcements of "just published," "in press," and "preparing," are plentiful.

The official report of the International Medical Congress of Paris, in August, 1867, has been issued, forming a large 8vo. volume of nearly 800 pages, embracing all the communications and discussions; V. Masson, and P. Asselin, Paris.

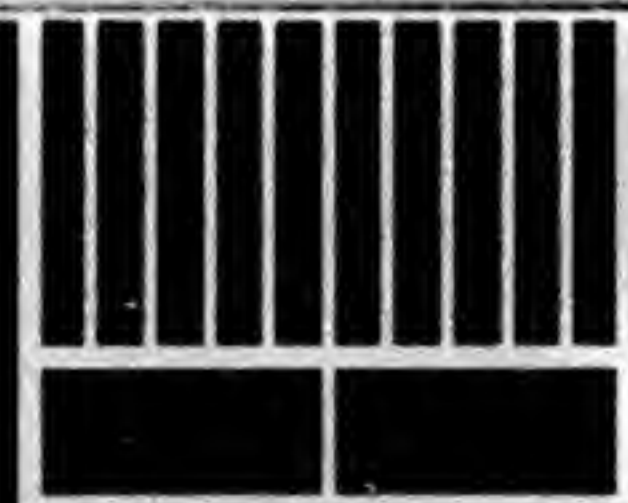
Dr. STORER of Boston, and Mr. HEARD, have prepared a medico-legal treatise on *Criminal Abortion*, the former describing the medical part of the subject, the latter gentleman expounding the legal features; it has been published by Little, Brown & Co., Boston.—The able Handbook of Vaccination by SEATON, reprinted by Lippincott & Co., has been noticed elsewhere in this number.

Mr. Lea announces a series of manuals for students by Dr. HARTSHORNE, entitled "a Conspectus of the Medical Sciences," preparing.

We are happy to learn that a new (10th) edition of FOWNES' very popular Manual of Chemistry, by Dr. H. BENICE JONES and Mr. HENRY WATTS, has appeared, Churchill, London; this has been but too long deferred, partly by reason of the considerable alterations involved in the introduction of the new notation.

Anatomy and Physiology.—The third and last volume of OWEN's great

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June 26 1870

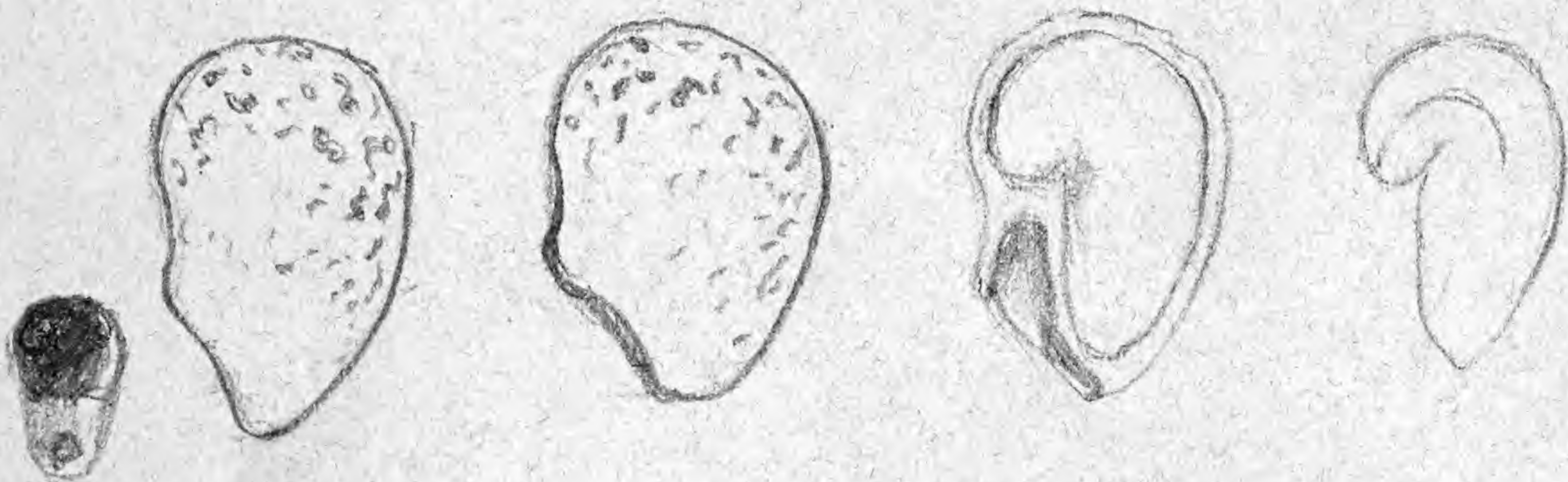
Cereus

"Pitahaya" of the markets of Mexico City

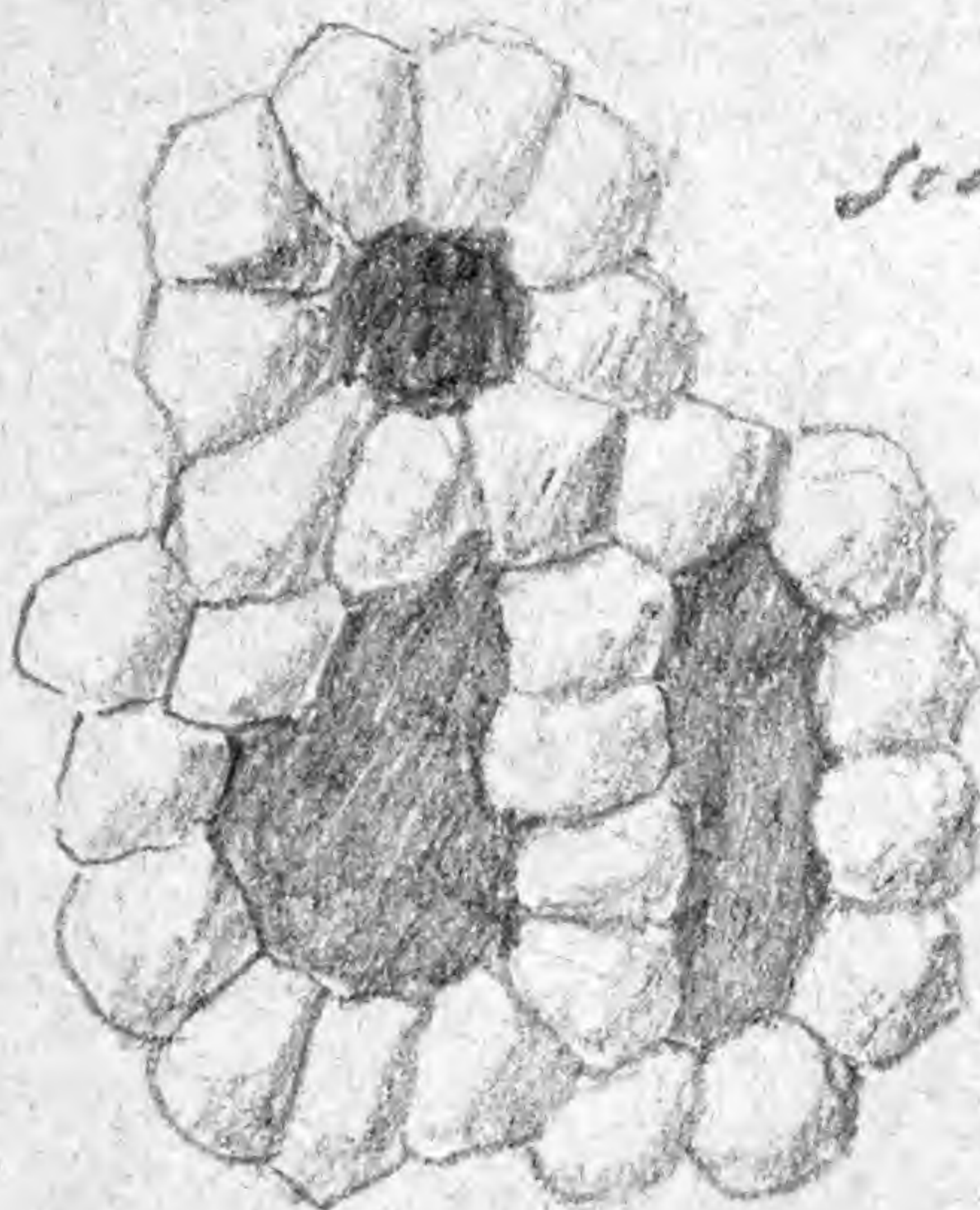
very spring scarlet luscious fruit - as large as goose egg

& Poselger May 1851

x 8



1690



surface x 60

seed covered with
flatish tubercles
leaving pits
in the interstices



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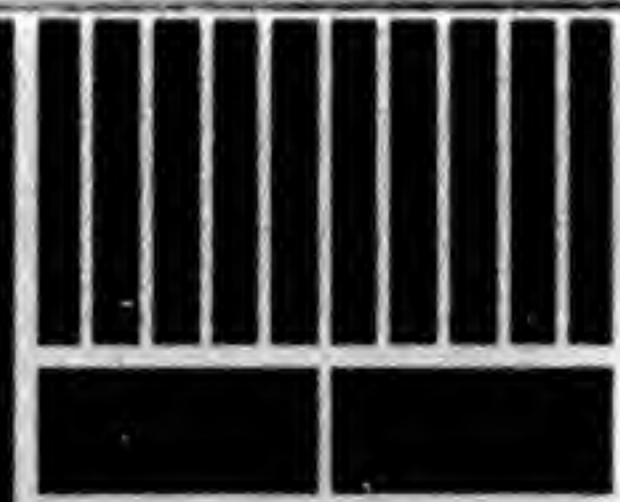
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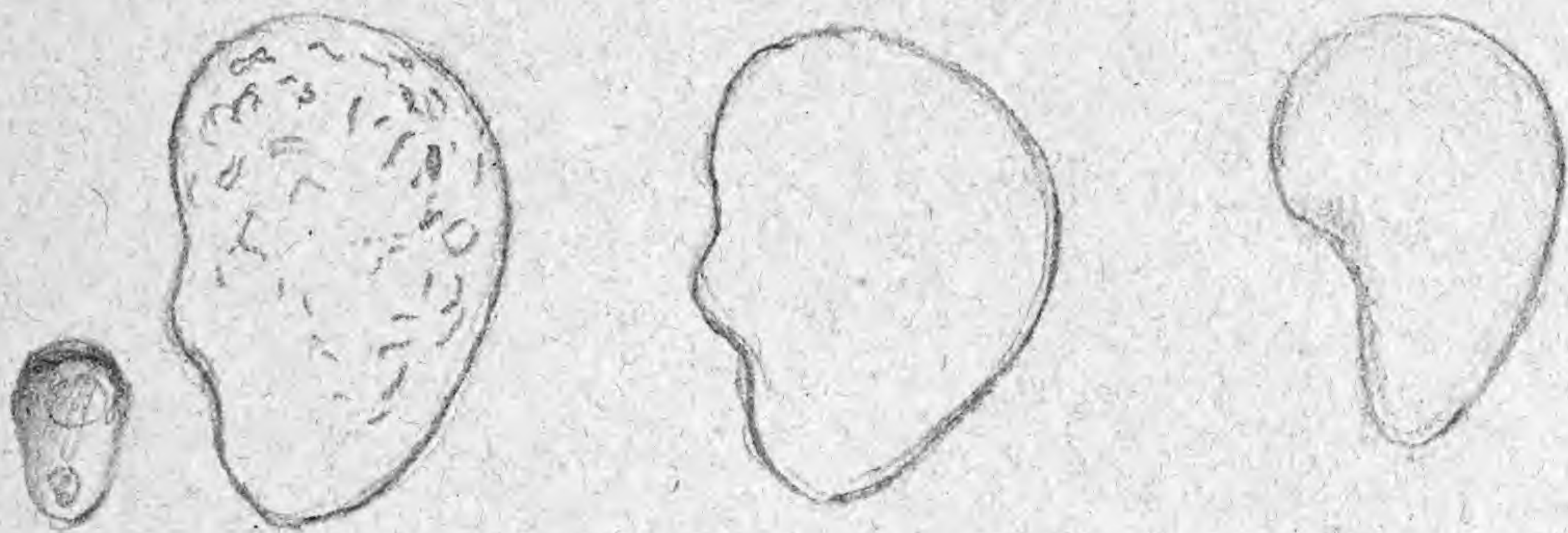
Cereus edulis Weber

July 4 1870

Mexico D. Weber 1865

said to be *C. pruinosus*
fr. Weber 1883

x 5



1691



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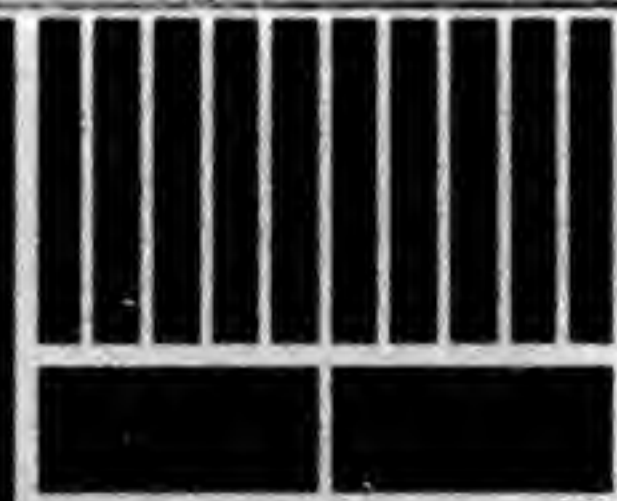
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Cereus
"organos"

June 25 1870

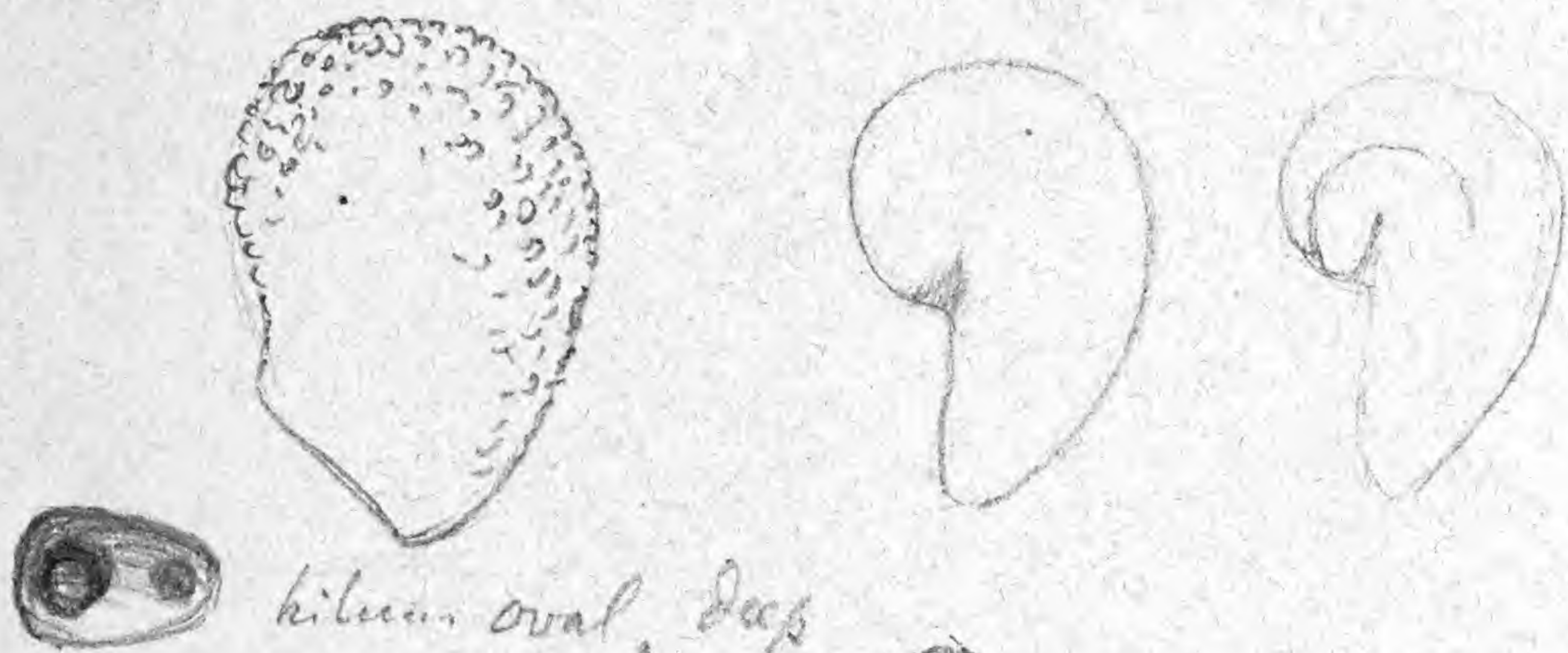
from Huetama, Michoacan, Mexico

H. W. Poole May 1857

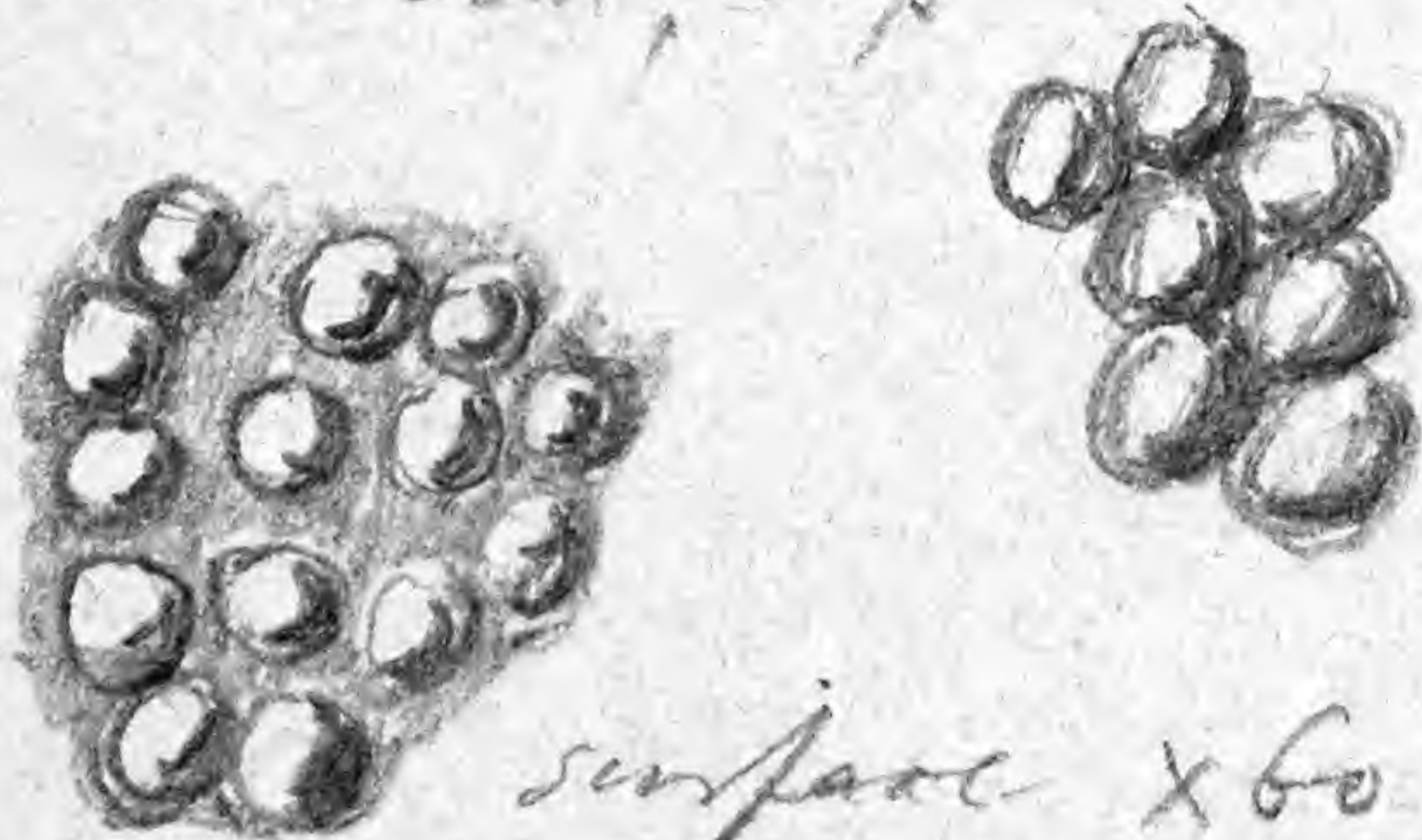
Trunk 2 feet diameter, bearing numerous erect
branches covering a circle of 25 feet diameter.
(only a few broken seeds obtained)

x 2

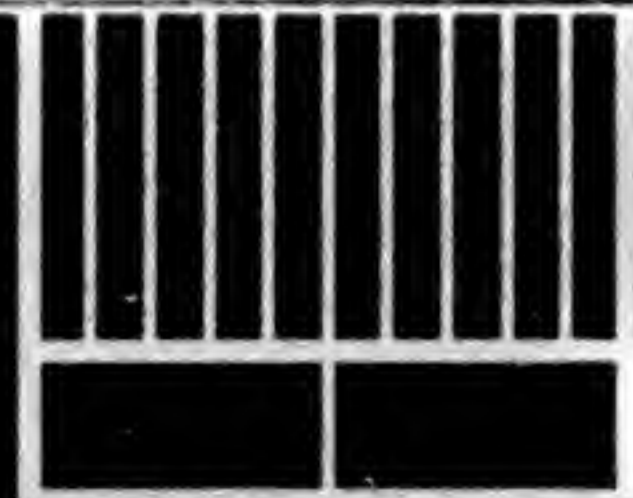
1692



hilum oval, deep



surface x 60
granulate-tuberculate



0 1 2 3 4 5 6 7 8 9 10

cm

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CHEMIST

ALEX. LEITCH,
APOTHECARY & CHEMIST,
Cor. 4th and Olive Sts., St. Louis.

ALL THE NEW REMEDIES
CONSTANTLY ON HAND

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Gregg 1239.6.

Cereus

June 23 1870

edible fruit, Magallan Jun 1849

x 8

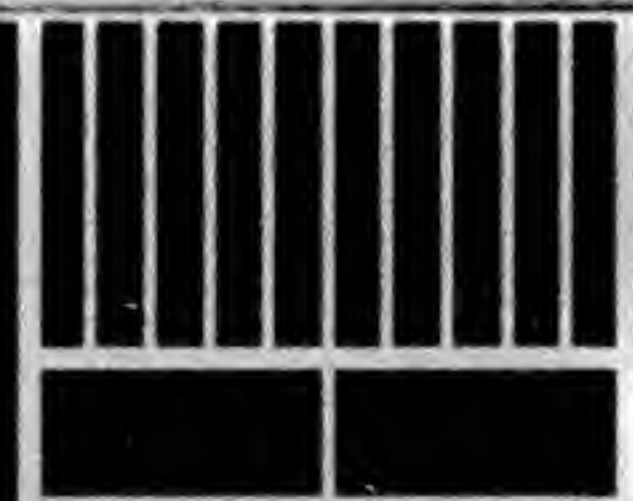


seed flattened
scarcely carinate
tuberculate



surface x 60
(larger tubercles)

1693



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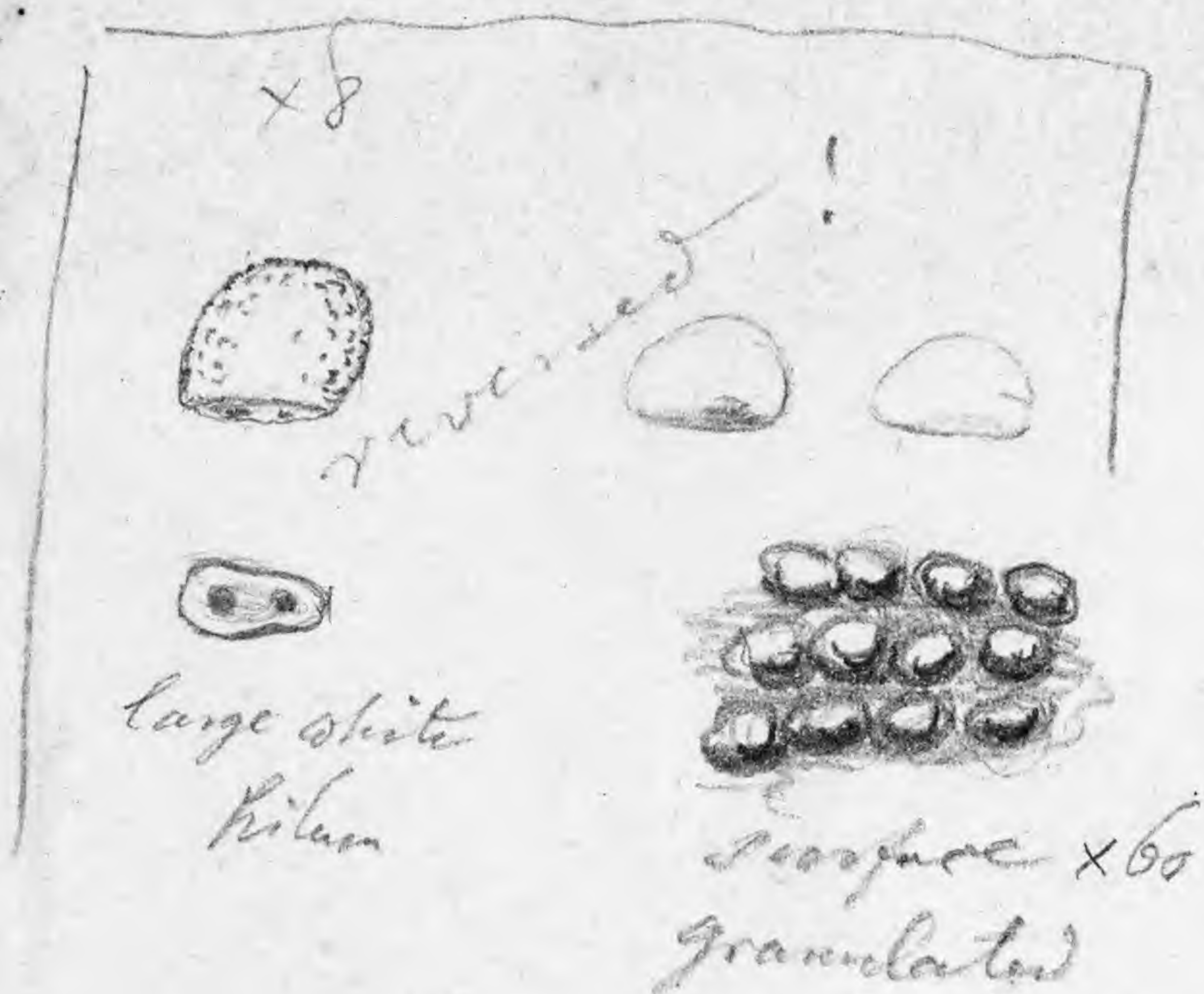


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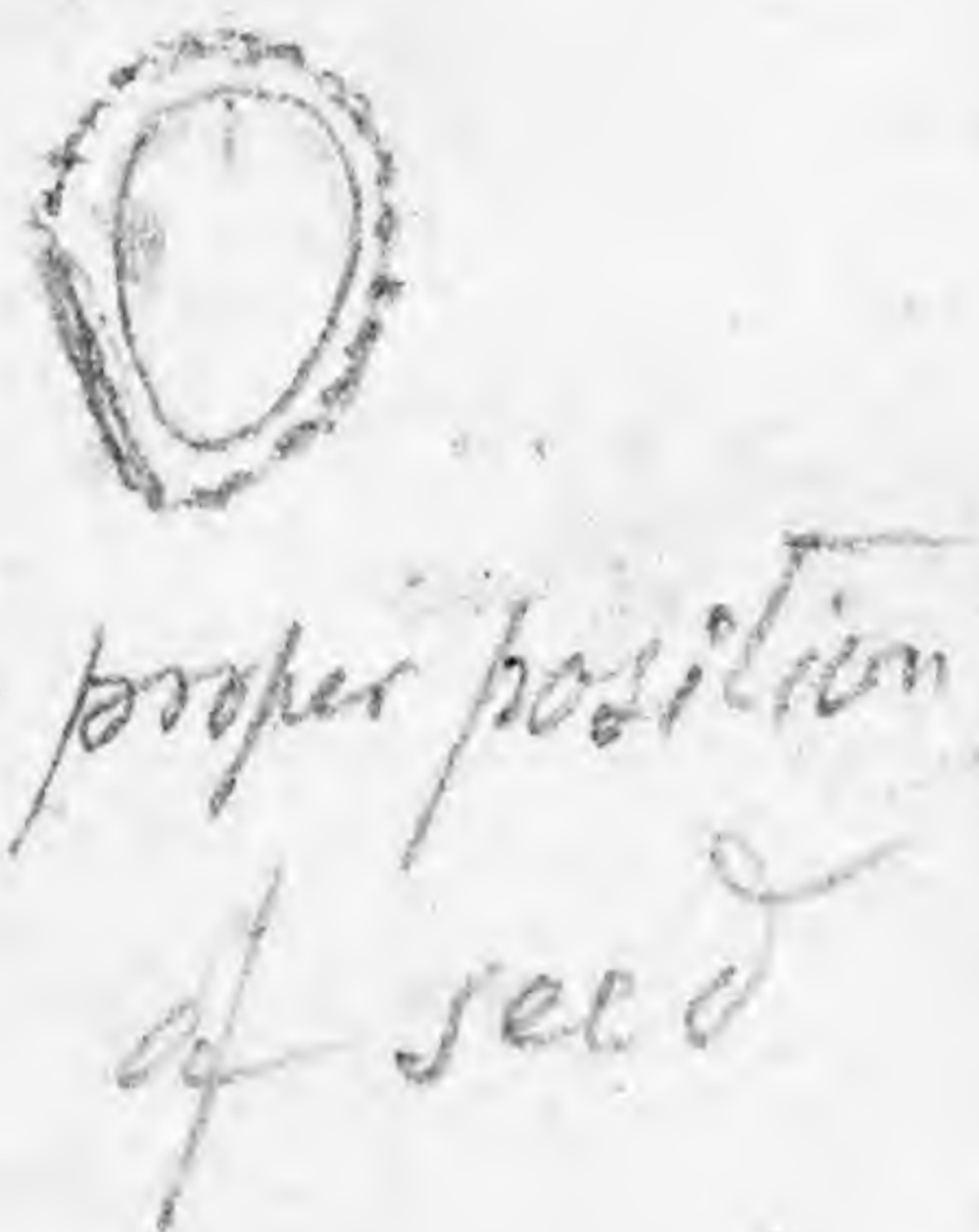
Echin. Monvillei

May 22 1870

Jacobi det 1857



a Gymnocarpium,
floribus subsapicalibus
cotyledonibus contrariis
albescens nullo
(rather a Cereus)



1694



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hinzü: „Wir fangen an, die Empfindungen Eures Herzens zu verstehen, siehe Nichts. Was haben die Empfindungen Eures Herzens mit einem unterzeichneten und unteriegelten Kontrakt zu schaffen?“

„Sehr viel,“ antwortete Gola. „Mich kann dieser Kontrakt nicht binden, er ist nicht mit meiner Zustimmung geschlossen.“

„Lächerliche Bräutensin!“ schrie Calverly. „Ihr kennet schlecht die Geseze dieses Landes, meine weise Tochter. Hölle und Tod! wir werden bald die Gräben aus der Schule kommen und Urtheile fällen sehen. Der Kontrakt ist in Euren Namen durch Euren Vormund abgeschlossen worden, und verpflichtet Euch dem Geseze gegenüber.“

„So mag der edle Lord einen Prozeß beginnen,“ sagte Gola; „durch meine Theilnahme oder meinen Willen wird der Kontrakt niemals ausgeführt werden.“

„Etwas Geduld, lieber Onkel,“ sagte Konstanze; „Ihr behandelst sie zu hart. Denket selbst daran, daß Ihr gesagt habt, der König habe seine Zustimmung noch nicht zu dieser Hochzeit gegeben, weil die Königin dabei gegenwärtig sein will, sie würde daher um ein oder zwei Monate aufgeschoben werden. Nun überrascht Ihr sie selbst mit der Nachricht, daß sie sogleich statfin=den soll. Es ist daher ganz natürlich, daß meine

Calverly, dessen Zorn immer größer wurde. „Laßt Euch nicht in Weitläufigkeiten mit ihr ein, Mylord; Ihr werdet sie ihre Pflicht lehren, sobald sie Eure Frau sein wird. Diesen Abend punkt 10 Uhr wird die Ceremonie in der Schloßkapelle vor sich gehen; gleichviel ob sie will oder nicht, und wenn das Saframent einmal vorüber ist, so ist Eure Verbindung unlöslich. Mein Kaplan wird keine Umstände machen, sobald ich ihm den Kontrakt zeige. Gehet jetzt auf Euer Zimmer, ungehorsames Mädchen, und haltet Euch bereit, dem beizustimmen, dem Ihr doch nicht ausweichen könnet.“

Langsamem Schrittes und sich auf den Arm ihrer Kouline stützend, verließ Gola den Saal und begab sich auf ihr Zimmer.

„Was wirst Du thun, liebe Gola, und wie kann ich Dir helfen?“ fragte Konstanze theilnehmend, als sie auf ihrem Zimmer angekommen waren.

„Auf keine Weise, theure Konstanze,“ antwortete Gola, „wenn nicht vielleicht dadurch, daß Du mir eine Stunde Ruhe zum Nachdenken läßt. Ruhe mein Kammermädchen Susanne und laß sie draußen vor meiner Thür sich aufhalten. Sage ihr, daß ich während einer Stunde kein Licht brauche, und daß ich allein bleiben will.“

„Aber was wirst Du thun?“ fragte Konstanze.

Cercis

Gymnocorys

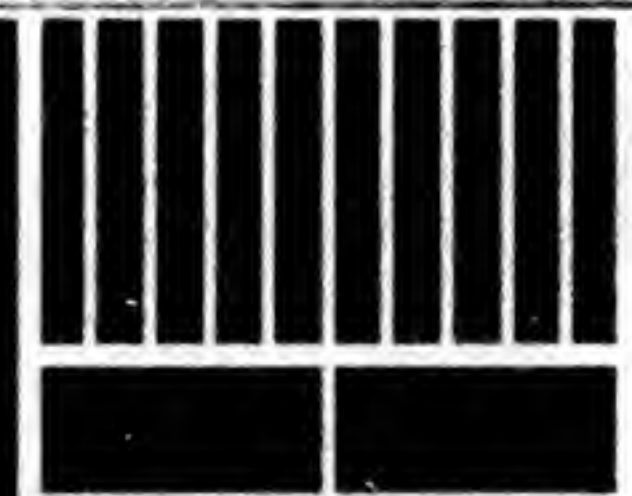
granulata

exalbumina

hyptisacanthus
monvillii

7

1694A



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et
sten te, es muß aus sein. Ihr sag-
tet, daß der Alte eine Schildwache vor Chartley's
Thür gestellt habe und Jola zwingen will, die-
sen sauertöpfischen Jungen zu heirathen. Sie
scheinen also alles entdeckt zu haben, was wir
zwischen Eurer Kousine und Chartley bemerkten?"

"Man kann von solchem Benehmen auf nichts
anderes schließen."

"Wo ist Eure schöne Kousine?"

"In ihrem Zimmer, von wo mein Onkel
droht, sie zur bestimmten Stunde herauszurei-
ßen, um sie zu zwingen, einen Mann zu heira-
then, den sie verabscheut."

"Und was hat Eure Kousine zu thun sich vor-
genommen?"

"Das weiß ich nicht. Sie wünscht allein zu
sein, um nachzudenken. Sie wird sich sicher bis
auf den letzten Augenblick weigern und zwar mit
großer Entschiedenheit, denn sie hat viel mehr
Muth, als ich ihr zugetraut habe."

"Glaubt Ihr, daß der Kaplan die Ceremonie
vollziehen wird?"

"Ich fürchte es, denn er ist eine Kreatur mei-
nes Onkels."

"In diesem Falle müssen wir uns darauf ein-
richten, Eure Kousine in ihrem Widerstande zu
unterstützen," sagte Arden ernst. "Aber bei mei-
nem Leben, es ist ein gefährliches Spiel, denn
wenn der König seine Zustimmung zu dieser Lei-

burgt, daß man sie
manden verheirathen will
und ohne Furcht sein."

"Aber ich bitte Euch inständigst, keine Gewalt-
that..."

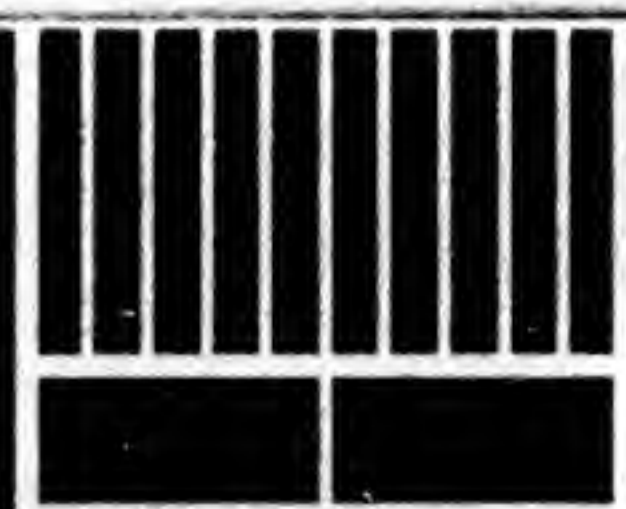
"Nein, nein, es wird keine nöthig sein," ent-
gegnete Arden. "Wenn man uns nicht angreift,
wir werden nicht angreifen. Aber," fügte er
hinzu, indem er dem ängstlichen Mädchen die
Hand küßte, "es wird besser sein, wenn die Da-
men sich wo möglich entfernt halten, denn die
Schreien und das macht Lärm."

Konstanze verließ ihn mit schwachem Lächeln
und Arden fing im großen Saale seine Prome-
nade wieder an und setzte sie so lange fort, bis
Lord Calverly ihn dort fand, der etwas ängstlich
und geschäftig zu sein schien.

"Es war ein schöner Tag," sagte Arden zu
ihm, "und es dürfte auch eine sehr schöne Nacht
werden. Ich denke eine Promenade auf den
Wällen zu machen, dann einen Schluck Wein zu
trinken und mich zu Bett zu begeben, denn ich
bin heute sehr zeitig aufgestanden."

"Ich wollte, ich könnte Euch auf Eurem Spa-
zierungsgang begleiten," erwiderte Lord Calverly
mit höflicher Verstellung, "aber ich habe ein un-
angenehmes Geschäft abzumachen, und Geschäfte
gehen immer Vergnügungen vor, wie Ihr selbst
wißt, Sir Arden."

"Sehr richtig, Mylord, und sehr weise. Ich



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Echinocactus hyptiicanthus

May 22 1890

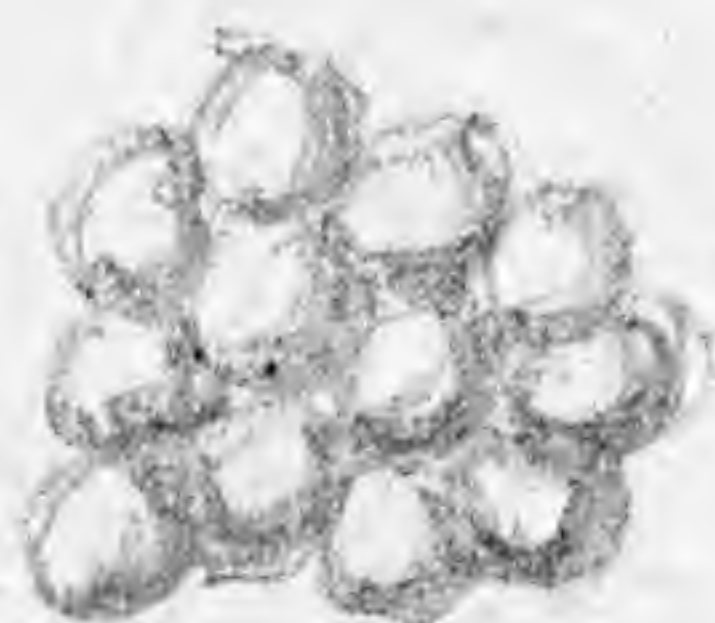
Jacobi's visit.

15-18 reniform membranaceous sepals on fruit

x8

seed not ripe - empty!

a Gynocalyxium



x60

surface minutely
tuberculate

1695



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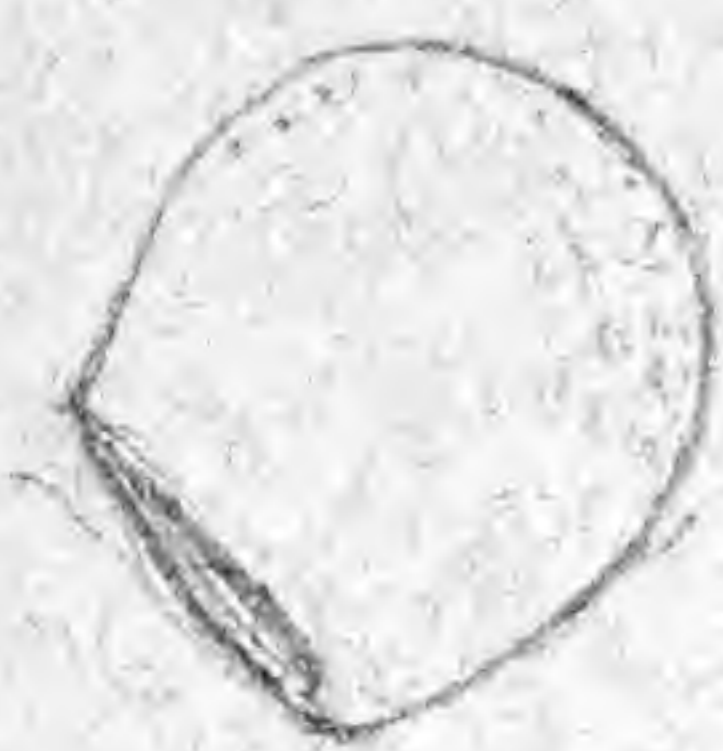
cm

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Casus gibbosus July 6 1870
 Hort Guedeney, Vesinet, Paris April 5 1869



lateral
view

front view

top view
 oblique
 cotyledons

parallel



surface x60 covered
 with depressed tubercles,
 not shining, but mat
 and very slightly rough

1696



0 1 2 3 4 5 6 7 8 9 10

cm

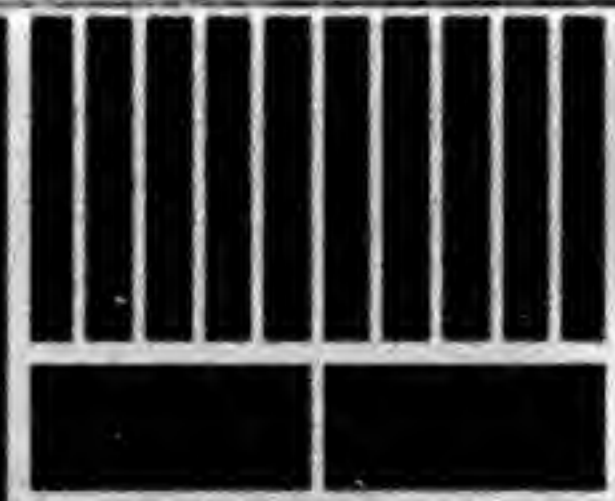
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Coreus

July 16 1870

Wimangua, Dr Hayes

x 8

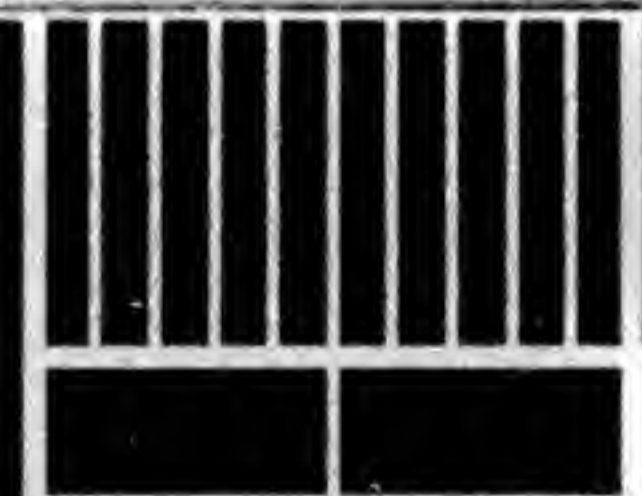


x 60



Surface of seed
pitted, pits
sometimes
confluent

1697



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cm

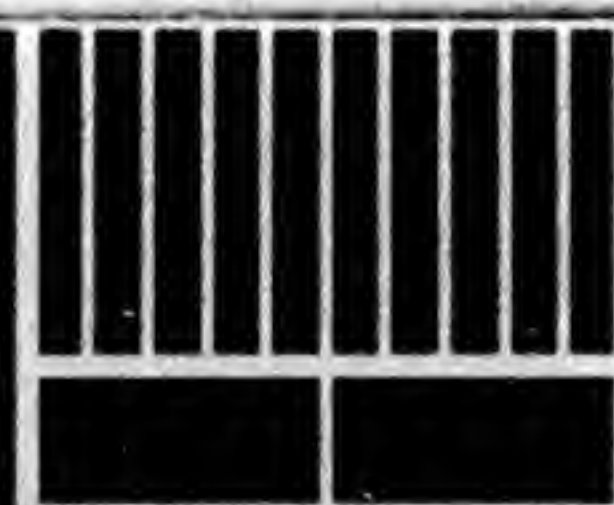
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cm

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